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THE RESOURCES AGENCY

Department of Water Resources

BULLETIN No. 140

WATER RIGHTS DATA AND ESTIMATED ENTITLEMENTS TO THE FLOW OF THE FEATHER RIVER

AUGUST 1965

HUGO FISHER
Administrator
The Resources Agency

EDMUND G. BROWN
Governor
State of California

WILLIAM E. WARNE
Director
Department of Water Resources

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E OF CALIFORNIA—RESOURCES AGENCY

PARTMENT OF WATER RESOURCES
. BOX 388
CRAMENTO

WILLIAM E. WARNE, *Director*

July 16, 1965

Honorable Edmund G. Brown, Governor,
and Members of the California
State Legislature
State Capitol
Sacramento, California

Gentlemen:

I am pleased to transmit for your information Bulletin No. 140 of the Department of Water Resources, entitled "Water Rights Data and Estimated Entitlements to the Flow of the Feather River". This bulletin presents a summary of the water rights data along the Feather River and estimates, under various assumptions, of the average monthly and seasonal entitlements of each water user.

This bulletin will provide information for the Department and the local water users in the Feather River service area to aid in the determination of the relative entitlements to the flows of the Feather River. A clear understanding of these entitlements is necessary to guarantee the local users a continued water supply.

Sincerely yours,

William E. Warne

Director

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

EDMUND G. BROWN, Governor of California
HUGO FISHER, Administrator, The Resources Agency
WILLIAM E. WARNE, Director, Department of Water Resources
ALFRED R. GOLZE, Chief Engineer
JOHN M. HALEY, Acting Assistant Chief Engineer

- - - - - - - - - -

DELTA BRANCH

Carl A. Werner . . . . . .Chief, Delta Branch

- - - - - - - - - -

This report was prepared under the direction

of

Lawrence A. Mullnix. . . . . .Chief, Operations Section

by

George Deatherage. . . . . Senior Engineer, Water Resources

Assisted By

Tom E. Meredith. . . . . Assistant Civil Engineer
Tom T. Bleakly . . . . . Assistant Civil Engineer

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- - - - - 0 - - - - -

WILLIAM M. CARAH
Executive Secretary

ORVILLE L. ABBOTT
Engineer

CHAPTER I. INTRODUCTION

The relative rights of water users in the State of California has always been significant in the State and at times resulted in arguments leading to costly litigation or in the earlier days to bloodshed.

Early History

During the gold rush of the 1850's in the State of California, water was necessary to separate gold from its natural habitat. The first miners utilized the "panning" of gold in the stream channel itself. As the availability of surface gold decreased, more productive methods were devised to work buried gold deposits. These advanced methods involved the diversion of water from the existing channel to the mining operations which eventually developed into huge hydraulic mines. Hydraulic mining, though a boon to gold mining, proved to be a detriment to agriculture; the discharge to the streams of mining debris filled the valley floor stream channels, resulting in frequent flooding of adjacent agricultural lands. In 1884 a Federal Court granted an injunction prohibiting hydraulic mining operations except that done behind a retaining wall or dam.

With the decrease in gold mining the water became available for other uses. The production of electrical power extended the useful life of the extensive diversion systems which had been constructed to supply the gold mining operations. In the Feather River drainage area excellent examples of such systems are the Miocene and Hendricks Canals of the Pacific Gas and Electric Company, which divert water from the West Branch Feather River for power production in the Lime Saddle, DeSabla and Coal Canyon Powerhouses.

The climate of California with long, dry, warm summers, coupled with the exceptionally fertile soils of the great Sacramento Valley, led to the development of extensive irrigation systems from the Sacramento River and its tributaries on the valley floor.

Two of the early major developments of irrigation distribution facilities in the Sacramento Valley, the Great Western Canal Company and the Sutter Butte Canal Company, were developed to utilize the waters of the Feather River to irrigate the area between the Feather River and the Sacramento River in Butte and Sutter Counties.

The State Water Plan

The staff of the State Engineer's office recognized, as early as 1924, that the waters of the Sacramento Valley were over-appropriated with respect to low flows such as occurred in the critical year of 1924. It was also recognized that the only solution to this situation was the construction of projects that would store water in months of surplus flows and release it for use during summer months of low flows. This fact was an important consideration in the recommendation by the staff of the Division of Water Resources for the implementation of the State Water Plan presented to the Legislature in 1931. In 1927, anticipating the presentation of this plan, the Department of Finance of the State of California, filed upon unappropriated waters at certain locations in the Central Valley in order that water rights might be obtained which would enable the operation of a State Water Plan.

The Central Valley Project

Although it was contemplated that the Central Valley Project, the initial unit of the State Water Plan, would be built by the State

of California, it was found necessary to call upon the Federal Government for assistance in implementing the project. As a result the U. S. Bureau of Reclamation began construction of the Central Valley Project in 1935. Applications for water rights pertinent to the Central Valley Project filed by the State Department of Finance in 1927 were assigned to the United States. In addition, the State Department of Finance filed supplemental applications required for Central Valley Project operation in 1938, and these filings were also assigned to the United States. Subsequently, the U. S. Bureau of Reclamation made independent application for water rights for its Central Valley Project.

Shasta Dam, the first unit of the Central Valley Project, was completed by the Bureau of Reclamation in 1944. Subsequent to this, the Bureau of Reclamation began to interview diverters along the Sacramento River to explore the water rights problem. Results of the interviews and exchanges of correspondence indicated that such attempts would be fruitless. It became the conviction of many persons involved that litigation would be required to determine the various water right priorities. Representatives of the water users, the State, and the Federal Government, realizing the complexity, expense, and time involved in litigation to solve the water problems along the Sacramento River, agreed in 1952 to attempt to solve the problem through negotiation.

The 1956 Cooperative Study Program

During the following years intensive hydrologic measurements resulted in the accumulation of sufficient data to make possible the initiation of detailed water entitlement studies. In 1956, the "1956 Cooperative Study Program" was initiated as a joint venture between the United States Bureau of Reclamation, the Sacramento River and Delta Water Association, and the Department of Water Resources.

These studies involved the determination of the water supply available along the Sacramento River and in the Sacramento-San Joaquin Delta, the water rights to this water supply, the estimated entitlements to the water supply under the water rights, and the estimated amounts of unappropriated water remaining during the irrigation season, April through October.

These studies provided the major basis for the presentation before the State Water Rights Board by the United States Bureau of Reclamation in support of its applications requesting water right permits for the operation of the Central Valley Project. These and similar studies are being utilized by the Bureau of Reclamation and the water users along the Sacramento River in negotiations of entitlements to the flow of the Sacramento River.

The State Water Project

Subsequent to World War II, the unprecedented development in California, with corresponding increases in demands for water, dictated that a solution to the State's water problems was needed. The Legislature in 1945 directed the State Water Resources Board to conduct an investigation of the water resources of California. The results of these studies are presented in the State Water Resources Board Bulletins No. 1, "Water Resources of California, 1951", No. 2, "Water Utilization and Requirements of California in 1955", and No. 3, "The California Water Plan, 1957".

Concurrently, the Division of Water Resources pursued the study of a project that would meet the immediate water requirements of the State. In May 1951, State Engineer A.D. Edmonston presented the first complete report on the Feather River Project, "Feasibility of

Feather River Project and Sacramento-San Joaquin Delta Diversion Projects Proposed as Features of the California Water Plan". The general plan outlined in this report is now under construction as the State Water Project.

The Feather River Trial Distribution Program

It was known that agreement to the entitlement of the waters of the Feather River required settlement before the successful operation of any project could be contemplated. The difficulty of the negotiations between the Bureau of Reclamation and the local water users of the Sacramento River pointed out that these agreements should be reached before the project was constructed. In 1956 the Legislature authorized the Feather River Trial Distribution Program. The objective of the program was to provide sufficient data to support entitlement negotiations with the individual water users along the Feather River and to support applications by the Department of Water Resources before the State Water Rights Board for permits to operate the State Water Project. This report presents the results of this program and describes the computation procedure used.

Area of Investigation

The area of investigation under the Feather River Trial Distribution Program is shown on Plate 1. This area can be divided into two major subareas. The first subarea is the drainage basin of the Feather River above Oroville, in which only those water rights for storage or direct diversion which will have a measurable effect on the flow of the river at Oroville during the irrigation season were considered. The second subarea is essentially the service area of the

Feather, Yuba, and Bear Rivers on the Sacramento Valley Floor. In this area, all known water rights, regardless of magnitude or effect on streamflow, were considered.

In the Feather River drainage basin above Oroville, agricultural uses of water, such as in Indian, Mohawk, American, and Sierra Valleys and "river run" power uses by the Pacific Gas and Electric Company down the North Fork of the Feather River, were not included. Their affect on the flow at Oroville was determined to be insignificant during the critical months of the irrigation season. The change in water supply regimen on the valley floor caused by the operation of Lake Almanor, Butt Valley Reservoir, Bucks Lake, and Lost Creek Reservoir was considered. The direct diversions for power and/or consumptive use out of the drainage basin by Pacific Gas and Electric Company from the West Branch Feather River through the Hendricks and Miocene Canals, and the diversions by the Oroville-Wyandotte Irrigation District through the Palermo Canal and Forbestown Ditch, were also considered.

Within the Sacramento Valley floor service area of the Feather, Yuba, and Bear Rivers, approximately 96,000 acres are irrigated by direct diversion from the rivers in any one year. Within this service area many varieties of orchard, truck, and field crops are grown. Rice is the predominant water-using crop irrigated by diversion from the rivers.

The City of Oroville is located at the northern end of the valley floor service area at the southwestern corner of the Feather River Drainage Basin. The metropolitan area of Yuba City-Marysville is located at the confluence of the Yuba and Feather Rivers.

For the Feather River portion of the valley floor service area, the maximum diversions of record, for the months April through October over the period 1924-1962, occured in 1953 when 782,400 acre-feet were diverted. Two major water users in the service area account for about 93 percent of the total Feather River surface water diversions. The Joint Water Districts divert about 75 percent and the Western Canal Company, a subsidiary of the Pacific Gas and Electric Company, diverts about 18 percent.

CHAPTER II. WATER SUPPLY

One of the first steps in the studies to estimate the entitlements to the flow of the Feather River was to determine the available water supply. The term "modified flow", as used in these studies, is defined as the flow that would have existed if no diversions had been made under water rights to be assumed in these studies. This term is in contrast with "natural flow" in that not all uses of water are considered.

Tables at the end of this chapter present all the data discussed herein.

Study Period

The study period covered in the Feather River Trial Distribution studies was limited to the irrigation season from April through October, when the demands are greatest and the supply is least, during the years 1924-1962, the 39-year period covered by existing hydrologic records of both streamflow and water use. The months of November through March were excluded because sufficient supplies were found to exist during those months for all uses of water along the valley floor portion of the Feather River.

Determination of Reaches

The Feather River system was divided into 15 reaches and the water supply computed for each of these reaches was assumed to be available for diversion along the entire length of the reach.

In the Sacramento River Trial Distribution studies the Sacramento River was divided into Reach 1 and Reach 2. The

Sacramento-San Joaquin Delta and the American Rivers were designated Reaches 3 and 4, respectively. The Feather River system reaches were numbered from 5 through 19.

Valley Floor Reaches

The valley floor portion of the Feather River system was divided into five reaches determined by (1) the availability of hydrologic data, (2) the points of inflow to the system, and (3) the availability of water to the diversion points of the assumed rights.

Reach 5. Reach 5 was assumed as the Feather River from its confluence with the Sacramento River to its confluence with the Bear River. The upper limit of this reach was determined by the inflow of the Bear River. The flows of all streams in the Feather River system were considered to be available in this reach.

Reach 6. Reach 6 was assumed as the Bear River from its confluence with the Feather River to the diversion dam of the Camp Far West Irrigation District at Mile 16.7. The upper limit of this reach was determined by the diversion location of the assumed rights of the Camp Far West Irrigation District. The historic flow of the Bear River was considered to be the only supply available in this reach.

Reach 7. Reach 7 was assumed as the Feather River from its confluence with the Bear River to the Southern Pacific Railroad trestle crossing the Feather River at Mile 30.0. The upper limit of this reach was selected to include the return flow from the Yuba River diversions accreting to the Feather River through Jack Slough. The flows of the Feather and Yuba Rivers and the return flows through Jack Slough were considered to be available in this reach.

Reach 8. Reach 8 was assumed as the Yuba River from its confluence with the Feather River to the eastern boundary of Section 28, T16N, R5E, MDB&M, about two miles above Daguerre Point Dam. The upper limit of this reach was determined by the extent of the assumed irrigable riparian lands. The historic flow of the Yuba River near Smartville is the only water supply available in this reach.

Reach 9. Reach 9 was assumed as the Feather River from the Southern Pacific Railroad trestle crossing the Feather River at Mile 30.0 to the Western Canal diversion facility at River Mile 61.2. The upper limit of this reach was determined by the extent of the assumed riparian lands. The Feather River is the only source of water supply available in this reach.

Upstream Reaches

The Feather River system above Oroville was divided into 10 reaches. Although spoken of as reaches, these are actually specific locations on the river and/or its tributaries on which adequate data were available to estimate the entitlements under assumed rights utilizing the streamflow at or near the location and to determine the effect of such entitlements on the valley floor water supply.

These reaches and the facilities either utilizing or proposing to utilize the streamflow under rights assumed in the studies are listed below. The location of the facilities is shown on Plate II, "Location of Facilities above Oroville".

Reach Number	Location	Facility
10	Feather River near Oroville	Oroville Dam and Reservoir
11	West Branch Feather River near Yankee Hill	Hendricks and Miocene Canals
12	North Fork Feather River near Prattville	Lake Almanor
13	South Fork Feather River at Enterprise	Palermo Canal
14	South Fork Feather River near LaPorte	Little Grass Valley Reservoir
15	Lost Creek near Clipper Mills	Lost Creek Reservoir and Forbestown Ditch
16	Butt Creek at Butt Valley Reservoir	Butt Valley Reservoir
17	Bucks Creek at Bucks Lake	Bucks Lake
18	Middle Fork Feather River at Nelson Point	Nelson Point Reservoir
19	Middle Fork Feather River at Clio	Clio Reservoir

Method of Computation

The computation procedures to determine the modified flows followed the accepted method of natural flow calculation. The historic flows were adjusted by adding diversions or uses of water, increases in reservoir storage and exports and by subtracting return flows, releases of reservoir storage, and imports.

Diversion and Storage Change

The specific impairments used in these studies were determined as (1) those that have a major effect on the valley floor water supply during the irrigation season and/or (2) those that reflect historic use of water under water rights to be considered in the studies.

The following impairments were considered in the determination of the modified natural flows:

1. All diversions from the Feather River below Oroville.

2. All diversions from the Yuba River below Englebright Reservoir.

3. All diversions from the Bear River below Camp Far West Reservoir.

4. The diversions from the West Branch Feather River through the Miocene, Hendricks, and Wilenor Canals.

5. Storage change of Phillbrook and Round Valley Reservoirs and Lake Wilenor on the West Branch Feather River.

6. Storage change and evaporation of Lake Almanor, Butt Valley Reservoir, and Bucks Lake on the North Fork Feather River and Tributaries.

7. Diversions from the South Fork Feather River through the Palermo Canal.

8. Diversions and storage change of the Forbestown Ditch and Lost Creek Reservoir on Lost Creek.

The inclusion of Phillbrook and Round Valley Reservoirs and Lake Wilenor on the West Branch North Fork in Item 5 above does not fit the previously specified criteria for consideration of impairments. However, they were considered to prevent an unnaturally large modified flow in the later summer months when major releases are made from these reservoirs to supply the diversion of the Hendricks, Wilenor and Miocene Canals.

The South Fork Project of the Oroville-Wyandotte Irrigation District began operation in the fall of 1961. Through an oversight, the effects of storage imports, and diversion other than through Palermo Canal, Forbestown Ditch, and Lost Creek Reservoir were not

included in this study. This exclusion has only a minor effect on the results of the studies in the last year of the study period, 1962.

The additional impairments to the flow of the Feather River at Oroville, listed below, were not used in these studies. These impairments would have only a minor effect on the flow of the river at Oroville during the study period:

1. The consumptive use on the North and Middle Fork of the Feather River.

2. The import to Sierra Valley from the Little Truckee River.

3. The regulation of the North Fork Feather River by the power operations of the Pacific Gas and Electric Company other than Lake Almanor, Bucks Lake, and Butt Valley Reservoir.

4. Regulation of the flow due to the operation of the following reservoirs:

    a. Mountain Meadows Reservoir
    b. Three Lakes Reservoir
    c. Lower Bucks Lake
    d. Grizzly Creek Forebay
    e. Frenchman Reservoir

The impairments of the flow of the Yuba and Bear Rivers above the valley floor were not considered for two reasons: (1) it was assumed that the historic flows would provide a reasonable measure of the use of the early upstream rights; and (2) the inflow from these two streams accrete to the Feather River below the diversion points of a major portion of the assumed rights along the river.

Return Flows

The only return flows considered were the operational spills from the Sutter Butte Canal accreting to the Feather River, and the return flows from Yuba River diversions accreting to the Feather River

through Jack Slough. All other Yuba River, all Bear River, and all left bank (east) Feather River diversion return flows were determined to be negligible. The return flow from the right bank (west) Feather River diversions do not return to the Feather River. North of the Sutter Buttes they accrete to Sutter Bypass through Butte Creek, and south of the Sutter Buttes they accrete to Sutter Bypass.

Accretions and/or Depletions to Streamflow due to Ground Water

No adjustment was attempted for accretions to the stream or depletions from the stream due to groundwater. These accretions and/or depletions are reflected in the historic records of streamflow. It was concluded that the water supply available for diversion under the assumed rights will be affected by these accretions and/or depletions in the same manner as they have in the past.

Special Flow

The values tabulated herein as the "Modified Flow of Bucks Creek at Bucks Lake" are not a measure of the streamflow in Bucks Creek. They are values of sufficient magnitude to allow the effect of water storage under the assumed right for Bucks Lake to be reflected in the water supply throughout the system.

TABLE 1

HISTORIC STREAMFLOWS

Table 1 contains 28 pages. The first two pages list the following data:

Column 1: The identification number of each historic streamflow record.

Column 2: The name of the station.

Column 3: The source of the historic record used.

Column 4: The period of the historic record used.

Column 5: The period or periods when the historic flow was estimated.

The remaining pages tabulate the monthly and seasonal totals of historic flow at each station. The first column is the reach number to which the historic streamflow applies. The second column is the year of record and the last column is the identification number.

TABLE 1

HISTORIC STREAMFLOWS

Identification Number (a)	Station	Source of Record (b)	Period of Record (c)	Estimated Period (c)
1	Feather River at Nicolaus	USGS	Apr/24 to Oct/62 (except as noted)	Apr/24-41 & 43 May/24-28, 35-38 & 40 June/25-27, 35, 37 & 38 July/25 Oct/33
2	Bear River near Wheatland			
	Bear River at VanTrent	USGS	Apr/24 to Oct/27	
	Bear River near Wheatland	(d)	Apr/28 to Sept/28	
	Bear River near Wheatland	USGS	Oct/28 to Oct/62	
3	Yuba River near Smartville			
	Yuba River at Smartville	USGS	Apr/24 to Sept/41	
	Yuba River at Narrows Dam (f)	USGS	Oct/41 to Sept/53	
	Yuba River at Englebright Dam (f)	USGS	Oct/53 to Oct/62	
	Deer Creek near Smartville (f)	USGS	Oct/41 to Oct/62	
4	Feather River at Yuba City	DWR	July to Oct/44 & 45 Apr/46 to Oct/62	Apr/24 to Oct/43 Apr to June/44 & 45
7	Feather River near Oroville	USGS	Apr/24 to Oct/62	
10	West Branch Feather River near Yankee Hill	USGS	Oct/30 to Oct/62	Apr/24 to Sept/30

TABLE 1 (Continued)

Identification Number (a)	Station	Source of Record (b)	Period of Record (c)	Estimated Period (c)
11	North Fork Feather River near Prattville	USGS	Apr/24 to Oct/62	
12	South Fork Feather River at Enterprise	USGS	Apr/24 to Oct/62	
13	South Fork Feather River at LaPorte	USGS	Oct/27 to Sept/33	Apr/24 to Sept/27 Oct/33 to Oct/62
14	Lost Creek near Clipper Mills	USGS	Oct/27 to Sept/41 Oct/48 to Sept/62	Apr/24 to Sept/27 Oct/41 to Sept/48
17	Middle Fork Feather River near Nelson Point	USGS	Apr/24 to Sept/32	Oct/32 to Oct/62 (e)
18	Middle Fork Feather River near Clio	USGS	Sept/25 to Oct/62	Apr/24 to Aug/25

(a) Identification numbering of historic streamflow begins with Number 1. Numbers not included in sequence were reserved for streamflows that were not used.

(b) USGS - United States Geological Survey.

(c) April through October only unless otherwise specified.

(d) 1957 Joint Hydrology Study.

(e) Estimated for DWR Bulletin 59, "Upper Feather River Investigation", October 1960.

(f) Flows of Deer Creek added to flows of Yuba River at Narrows Dam and at Englebright Dam to determine total historic flow of Yuba River.

TABLE 1 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
HISTORIC FLOW OF	5	24	239351	63329	6780	1780	609	20900	93500	426249	1
THE FEATHER RIVER	5	25	890009	663253	202186	81297	33400	49000	106000	2025145	1
AT NICOLAUS	5	26	1342314	381097	57500	24900	24300	60100	109000	1999211	1
IN ACRE-FEET	5	27	1533783	1012462	503321	99000	43600	61300	131000	3384466	1
	5	28	1099701	537042	89300	56800	30700	60700	104000	1978243	1
	5	29	401298	371000	160000	49700	70100	104000	132000	1288098	1
	5	30	831170	536000	183000	52000	57300	112000	163000	1934470	1
	5	31	185953	68900	17700	935	5070	32800	68200	379558	1
	5	32	793833	904000	453000	75600	29900	26700	40100	2323133	1
	5	33	437046	418000	331000	34900	18300	25100	84196	1348542	1
	5	34	345937	114000	40500	21800	19600	39200	67710	648747	1
	5	35	2011602	1241475	514877	84430	69850	70070	123400	4115704	1
	5	36	1094504	778451	385200	81780	63020	82050	110000	2595005	1
	5	37	1042770	991561	327236	66950	18130	38780	129000	2614427	1
	5	38	2102114	2247646	1112649	217000	83360	90100	149800	6002669	1
	5	39	417318	107800	27070	9870	19660	57700	77210	716628	1
	5	40	1513988	715709	200100	43700	36760	92230	128700	2731187	1
	5	41	1290928	1467000	548000	191300	52800	54500	99390	3703918	1
	5	42	1480000	1254000	793600	166500	44140	67200	137600	3943040	1
	5	43	1340530	663300	314800	57350	22040	32360	119000	2549380	1
	5	44	597600	633000	179800	33300	13280	32190	83300	1572470	1
	5	45	726800	736100	262900	40890	27620	53170	106700	1954180	1

TABLE 1 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
5	46	836000	679900	171900	38500	30040	53690	87650	1897680	1
5	47	573300	124000	74330	16780	24640	40820	135600	989470	1
5	48	1326000	1091000	590200	73600	16170	46190	132900	3276060	1
5	49	809700	533500	98060	13920	9230	27480	39430	1531320	1
5	50	1098000	836200	325900	40290	18630	68870	162200	2550090	1
5	51	729600	671100	126300	29000	19710	88530	156600	1820840	1
5	52	2537000	2246000	1083000	329300	87270	113300	170800	6566670	1
5	53	919400	975300	750900	159100	66150	119100	182900	3172850	1
5	54	1262000	581100	154400	59930	59150	87170	152700	2356450	1
5	55	332100	557200	147300	26210	22840	43370	75670	1204690	1
5	56	1054000	1295000	624000	135800	90050	142000	182400	3523250	1
5	57	521100	834300	312300	55620	40790	106100	374100	2244310	1
5	58	2048000	1634000	837500	153500	82450	136100	125900	5017450	1
5	59	399300	206500	42050	28470	14990	57170	89430	837910	1
5	60	573300	322500	153700	48110	46770	62530	56940	1263850	1
5	61	401400	279800	105100	38400	41250	33930	39200	939080	1
5	62	927700	556000	273100	50870	54420	77680	1444000	3383770	1
	TOT	38066449	29328525	12580559	2789182	1508089	2566180	5971226	92810210	1
	AVE	976063	752013	322578	71517	38669	65799	153108	2379749	1

TABLE 1 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
HISTORIC FLOW OF	6	24	3050	331	411	178	172	165	1680	5987	2
THE BEAR RIVER	6	25	51000	17800	9100	5660	4040	1806	1720	91126	2
NEAR WHEATLAND	6	26	67200	16200	1890	1160	3920	2870	1180	94420	2
IN ACRE-FEET	6	27	88100	5720	3120	4750	4890	7320	8060	121960	2
	6	28	41900	4100	1300	4200	5200	12200	6550	75450	2
	6	29	8750	2240	2200	1110	4440	12500	10500	41740	2
	6	30	33200	12900	10500	2710	9040	5600	19700	93650	2
	6	31	1430	488	518	762	371	89	830	4488	2
	6	32	33600	31900	14600	461	319	791	4160	85831	2
	6	33	2080	5080	881	250	139	952	5290	14672	2
	6	34	14100	2900	143	115	122	137	481	17998	2
	6	35	115800	24330	7710	1430	9120	12780	13620	184790	2
	6	36	55740	22880	8310	617	888	1090	1660	91185	2
	6	37	49600	11350	400	213	184	116	1680	63543	2
	6	38	83400	34150	881	357	333	238	7740	127099	2
	6	39	4090	146	185	100	40	18	704	5283	2
	6	40	64840	5100	279	392	269	347	799	72026	2
	6	41	85110	33290	11150	822	871	650	2460	134353	2
	6	42	95340	57710	14500	2700	1460	1540	1170	174420	2
	6	43	40530	21400	10100	2250	1790	300	1590	77960	2
	6	44	17200	9650	4290	474	334	167	341	32456	2
	6	45	46180	13180	7140	621	773	819	3200	71913	2

TABLE 1 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
6	46	32920	21290	8130	648	259	181	2490	65918	2
6	47	26660	4060	309	186	90	76	3770	35151	2
6	48	88020	45030	12840	720	163	487	2760	150020	2
6	49	36090	11880	1530	126	115	385	658	50784	2
6	50	41060	12250	2810	895	712	990	3140	61857	2
6	51	43150	24880	2580	414	434	1050	2860	75368	2
6	52	74050	30200	7820	3410	1180	2270	968	119898	2
6	53	48450	28080	7710	643	963	1320	4680	91846	2
6	54	40610	8460	665	467	351	516	1000	52069	2
6	55	6040	14530	1990	484	311	310	1900	25565	2
6	56	26760	32160	2860	491	444	545	4690	67950	2
6	57	26720	50450	4010	346	204	236	3200	85166	2
6	58	151900	21960	5700	576	597	666	1650	183049	2
6	59	670	35	42	32	66	266	1050	2161	2
6	60	18350	8350	775	182	111	199	126	28093	2
6	61	6310	1450	914	301	308	354	301	9938	2
6	62	23050	6840	992	1070	1190	362	82940	116444	2
	TOT	1693050	654750	171285	42323	56213	72708	213298	2903627	2
	AVE	43412	16788	4392	1085	1441	1864	5469	74452	2

TABLE 1 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
HISTORIC FLOW OF	8	24	88700	45800	10800	9160	6030	13800	28000	202290	3
THE YUBA RIVER	8	25	338000	356000	99400	39200	20600	16400	17600	887200	3
NEAR SMARTVILLE	8	26	403000	182000	58600	17200	15000	8930	22300	707030	3
IN ACRE-FEET	8	27	569000	488000	306000	53400	20700	16200	17000	1470300	3
	8	28	420000	315000	79100	33600	20400	14200	16700	899000	3
	8	29	129000	154000	76800	20900	16200	8810	11400	417110	3
	8	30	252000	186000	82100	21300	17200	15500	14900	589000	3
	8	31	70200	48800	20800	9350	8610	8690	12900	179350	3
	8	32	255000	424000	255000	37100	15600	12700	16700	1016100	3
	8	33	145000	194000	170000	25800	15700	11900	14000	576400	3
	8	34	109000	54500	22800	13600	10100	9940	12040	231980	3
	8	35	572900	450000	226500	37010	17180	15730	21410	1340730	3
	8	36	403500	398200	192200	35880	18780	17270	18010	1083840	3
	8	37	331200	430300	165400	33280	16960	15460	20550	1013150	3
	8	38	521500	727000	473500	86680	29450	20350	30040	1888520	3
	8	39	161300	65760	26310	14630	12140	12130	15960	308230	3
	8	40	442800	365300	95710	23950	17380	21050	20500	986690	3
	8	41	351500	559300	189100	96220	26780	20610	21232	1264742	3
	8	42	466680	488160	364360	85240	34081	25282	24434	1488237	3
	8	43	434290	285130	154700	45664	29129	30290	39741	1018944	3
	8	44	160330	258290	108050	38654	20175	18505	29191	633195	3
	8	45	233880	340370	154120	43255	36292	31711	26410	866038	3

TABLE 1 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
8	46	319880	347620	112390	45892	35817	28828	25380	915807	3
8	47	185240	95109	58780	28438	27469	23589	29560	448185	3
8	48	409380	403410	260800	49041	25780	28744	16715	1193870	3
8	49	299430	263789	75013	28847	23236	16955	14849	722119	3
8	50	368710	389920	181461	46702	27792	28008	27001	1069594	3
8	51	279500	310530	86286	37121	32803	31486	35650	813376	3
8	52	585430	827030	516768	183719	49480	41948	40979	2245354	3
8	53	298230	338300	360980	99991	43746	40369	38200	1219816	3
8	54	374410	230060	73718	44417	40657	22384	14736	800382	3
8	55	133950	250700	101002	43452	39127	15690	13833	597754	3
8	56	239120	515940	270369	58589	43582	35333	35410	1198343	3
8	57	170490	398810	169870	44826	37608	29284	30450	881338	3
8	58	529980	671440	366650	68321	42314	38932	29042	1746679	3
8	59	140260	94460	40374	27162	27391	22694	13046	365287	3
8	60	222890	172190	91975	31295	31267	27472	13754	590843	3
8	61	141950	148496	66412	30510	28894	17350	16392	450004	3
8	62	323150	249790	150842	35265	31276	27260	306740	1124323	3
	TOT	11880780	12523504	6315040	1724661	1012726	841684	1152755	35451150	3
	AVE	304635	321115	161924	44222	25967	21582	29558	909004	3

TABLE 1 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
HISTORIC FLOW OF	9	24	54176		11069	1637		16709	74359	157950	4
THE FEATHER RIVER	9	25	453601	290372	93507	35223	31263	45399	92356	1041721	4
AT YUBA CITY	9	26	873248	174520	28758	20871	19732	61030	90136	1268295	4
IN ACRF-FEET	9	27	879145	564826	194420	32928	21389	41512	88935	1823155	4
	9	28	608557	217243	37027	35660	16148	38404	74990	1028029	4
	9	29	190674	231637	86952	48129	60706	90902	107343	816343	4
	9	30	510391	286271	88221	42007	38441	94775	117990	1178096	4
	9	31	32075		14529	7174	12759	34167	57313	158017	4
	9	32	470623	508140	172454	41019	18616	21671	22030	1254553	4
	9	33	226415	235838	143278	23036	16585	25673	72587	743412	4
	9	34	148984	36663	37771	29202	26011	42903	60945	382479	4
	9	35	1383401	853287	283788	56785	52960	54486	83546	2768253	4
	9	36	617627	385216	187367	62274	53260	78955	80967	1465666	4
	9	37	645137	604759	169771	42113	7703	38672	102854	1611009	4
	9	38	1580007	1680680	628375	129306	49516	69637	95164	4232685	4
	9	39	186288	19301	19087	14344	27417	57848	67292	391577	4
	9	40	1026364	365681	106907	31892	28148	80438	120590	1760020	4
	9	41	855847	1012436	330765	94281	37254	46992	84762	2462337	4
	9	42	1059583	890526	444892	98252	26093	64526	122496	2706368	4
	9	43	868701	373937	187305	26257	12375	22612	87597	1578784	4
	9	44	409071	424435	92654	23630	8134	28970	65050	1051944	4
	9	45	435166	422899	127374	19980	10220	38360	83060	1137059	4

TABLE 1 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
9	46	542600	332700	74500	15600	17100	45900	72400	1100800	4
9	47	384300	73720	45960	15880	23840	37380	102100	683180	4
9	48	837500	662300	322900	34800	11690	38040	117900	2025130	4
9	49	517800	285300	28290	11790	9921	29060	39290	921451	4
9	50	668000	456200	146100	17230	13320	60600	159200	1520650	4
9	51	416900	340700	63700	15530	13660	78620	134400	1063510	4
9	52	1952500	1572000	556500	171900	65350	109700	157500	4585450	4
9	53	574400	604000	435500	99480	45360	93920	160800	2013460	4
9	54	862000	371000	108400	37330	40000	83850	143500	1646080	4
9	55	214400	346100	80170	15280	14790	42380	70430	783550	4
9	56	715400	826500	330200	87010	72020	115500	165200	2311830	4
9	57	318800	492700	137400	30040	30990	91830	181700	1283460	4
9	58	1332000	1052000	466400	125500	65100	112000	110300	3263300	4
9	59	269900	129300	30290	33500	19520	51800	75690	610000	4
9	60	336100	160200	88330	49040	47460	60700	57360	799190	4
9	61	261100	193200	76880	43460	50930	37400	41650	704620	4
9	62	587900	323800	148300	56230	56650	73140	833800	2079820	4
	TOT	24306681	17800387	6626091	1775600	1172431	2256461	4475582	58413233	4
	AVE	623248	456420	169900	45528	30062	57858	114759	1497775	4

TABLE 1 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
HISTORIC FLOW OF	10	24	128000	76600	55000	52400	58800	59000	92900	522700	7
THE FEATHER RIVER	10	25	459000	343000	162000	109000	103000	102000	104000	1382000	7
AT OROVILLE	10	26	760000	257000	115000	113000	112000	111000	106000	1574000	7
IN ACRE-FEET	10	27	824000	598000	276000	130000	114000	106000	112000	2160000	7
	10	28	607000	309000	126000	122000	103000	84400	94700	1446100	7
	10	29	259000	312000	149000	118000	134000	127000	131000	1230000	7
	10	30	528000	344000	155000	116000	116000	130000	144000	1533000	7
	10	31	129000	103000	75600	75600	72600	66600	75000	597400	7
	10	32	505000	540000	240000	122000	101000	63100	45800	1616900	7
	10	33	272000	306000	205000	97800	86100	69600	95900	1132400	7
	10	34	207000	139000	96400	94100	89200	80300	86360	792360	7
	10	35	1278000	808500	344800	127100	128200	98080	105700	2890380	7
	10	36	604700	440700	250500	137900	132600	125600	106800	1798800	7
	10	37	623000	631300	242900	131500	96870	92830	125300	1943700	7
	10	38	1454000	1547000	685000	205000	145800	137100	128900	4302800	7
	10	39	270300	127900	87190	89790	98480	88320	86730	848710	7
	10	40	961500	420000	178200	117600	111500	129700	146200	2064700	7
	10	41	810000	962000	370500	169300	125800	111700	116400	2665700	7
	10	42	989700	851700	520700	194900	135800	136100	142500	2971400	7
	10	43	830700	441300	282000	137500	121500	98200	107400	2018600	7
	10	44	447500	505800	189300	137600	128100	98260	97920	1604480	7
	10	45	456900	509700	232600	141300	128200	121400	134500	1724600	7

TABLE 1 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
10	46	559300	442000	182200	146100	140600	113900	97630	1681730	7
10	47	341900	177400	143600	135800	132300	100700	120900	1152600	7
10	48	818100	685100	411000	150200	113100	105200	139800	2422500	7
10	49	561400	401300	148900	129000	119500	69570	64490	1494160	7
10	50	731500	586100	246200	128100	111400	133400	188300	2125000	7
10	51	487800	452900	179600	137500	119500	112100	146600	1636000	7
10	52	1729000	1442000	659200	272500	175800	156200	158000	4592700	7
10	53	662800	692300	517400	216900	168700	160200	166200	2584500	7
10	54	878400	456600	235700	179600	167900	160700	171000	2249900	7
10	55	272800	425700	179300	124100	112400	91990	96180	1302470	7
10	56	780700	878500	425800	198000	177500	168500	193700	2822700	7
10	57	349900	527200	231300	136800	121300	141600	201700	1709800	7
10	58	1151000	1057000	558600	227900	165300	152300	143700	3455800	7
10	59	351600	239700	136800	150000	117600	84990	112600	1193290	7
10	60	411900	273600	194600	159900	139700	96500	90210	1366410	7
10	61	298000	289100	172100	159100	153200	77490	67640	1216630	7
10	62	680000	447200	277000	182300	165800	119100	760900	2632300	7
	TOT	24470400	20047200	9937990	5573190	4844150	4280730	5305560	74459220	7
	AVE	627446	514031	254820	142902	124209	109762	136040	1909211	7

TABLE 1 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
HISTORIC FLOW OF	11	24	16720	7834	608	398		440		26000	10
THE WEST BRANCH	11	25	31437	21833	4537	1476	820		116	60219	10
FEATHER RIVER	11	26	52267	20613	4450	2596	1484	1634	218	83262	10
NEAR YANKEE HILL	11	27	55811	43143	19188	3766	2859	2454	3917	131138	10
IN ACRE-FEET	11	28	48936	27899	4222	2098	1192	2745	438	87530	10
	11	29	18985	16474	2711					38170	10
	11	30	37225	24166	4282	1093		816	1370	68952	10
	11	31	4690	1730	774	713	523	537	1970	10937	10
	11	32	35600	43300	14400	676	516	578	585	95655	10
	11	33	22800	23100	12500	1370	572	544	1750	62636	10
	11	34	15600	7130	1110	689	621	619	764	26533	10
	11	35	92070	58490	19020	948	691	364	629	172212	10
	11	36	45000	30040	11570	980	621	509	428	89148	10
	11	37	47210	56680	20190	1360	492	442	986	127360	10
	11	38	71000	91060	43740	4880	441	578	1270	212969	10
	11	39	18000	5140	712	417	340	332	504	25445	10
	11	40	54360	19100	3650	495	461	424	1230	79720	10
	11	41	75570	71780	24670	5530	524	569	1030	179673	10
	11	42	71350	55760	31380	4880	513	483	767	165133	10
	11	43	49100	24260	12320	1170	468	504	701	88523	10
	11	44	22530	36910	12570	837	488	479	1160	74974	10
	11	45	26480	32040	8890	592	395	387	3740	72524	10

TABLE 1 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
11	46	33900	27500	3560	482	359	376	437	66614	10
11	47	27140	5440	4620	261	260	273	7270	45264	10
11	48	73310	60780	33070	3130	357	353	401	171401	10
11	49	39780	30610	5240	513	354	485	504	77486	10
11	50	52320	40080	10760	835	401	366	10310	115072	10
11	51	34220	28340	4630	395	267	264	1030	69146	10
11	52	79840	95480	40080	8760	631	355	311	225457	10
11	53	51440	51960	37900	6740	761	553	996	150350	10
11	54	77700	31700	6770	478	329	302	374	117653	10
11	55	17090	30560	5360	327	260	311	343	54251	10
11	56	33650	55040	20560	1990	219	298	2140	113897	10
11	57	22980	50800	8840	388	300	1210	3740	88258	10
11	58	69730	72680	40120	3440	280	332	430	187012	10
11	59	23320	11850	1150	214	212	879	323	37948	10
11	60	24720	17900	4650	169	204	269	301	48213	10
11	61	20210	19850	5950	303	213	371	488	47385	10
11	62	39790	33390	14470	418	163	205	56210	144646	10
	TOT	1633881	1382442	505224	65807	19591	22640	109181	3738766	10
	AVE	41894	35447	12954	1687	502	581	2800	95866	10

TABLE 1 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
HISTORIC FLOW OF	12	24	16000	24800	47500	55200	25900	24800	61400	255600	11
THE NORTH FORK	12	25	13100	5290	38700	63300	60400	57800	44900	283490	11
FEATHER RIVER	12	26	8980	28300	49400	69500	84200	80900	59000	380280	11
NEAR PRATTVILLE	12	27	2020	2670	4710	50800	66400	58700	73800	259100	11
IN ACRE-FEET	12	28	3180	3490	48400	78700	59800	29400	52100	275070	11
	12	29	57500	49900	47000	78700	108000	105000	82400	528500	11
	12	30	4770	4290	38700	65200	78700	69000	98934	359594	11
	12	31	952	12605	32668	54294	52326	47246	9469	209560	11
	12	32	1494	1537	6902	66960	56876	48377	1250	183396	11
	12	33	1320	1400	10500	56000	58900	33100	57200	218420	11
	12	34	1350	47700	56800	56400	55000	52900	44150	314300	11
	12	35	61000	70250	63350	60820	81700	63980	30730	431830	11
	12	36	8680	54040	51130	45600	91080	86460	54780	391770	11
	12	37	22130	29370	25590	64140	36530	57530	73450	308740	11
	12	38	150600	139300	104700	50280	77860	77670	63490	663900	11
	12	39	1190	14100	26880	58010	67850	55150	56060	279240	11
	12	40	127700	66360	51570	57840	68260	78340	84680	534750	11
	12	41	57350	142100	57550	57260	50730	45930	58410	469330	11
	12	42	54640	102600	63090	53160	60260	80030	89590	503370	11
	12	43	95900	66350	70400	52610	61350	62060	59050	467720	11
	12	44	49290	33430	13690	75550	90540	63940	52170	378610	11
	12	45	32830	31560	42800	65820	77100	78130	47830	376070	11

TABLE 1 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
12	46	9490	38520	52990	84250	85860	70060	31340	372510	11
12	47	2020	47490	45420	92890	92390	68340	21180	369730	11
12	48	1890	2060	37810	53010	61980	54820	102800	314370	11
12	49	15380	24440	41590	84550	84370	57820	35510	343660	11
12	50	6870	45270	51960	60940	61670	70520	56820	354050	11
12	51	19990	32310	43490	67760	70840	69510	75410	379310	11
12	52	104800	33740	51010	56560	83490	92130	103800	525530	11
12	53	50950	54350	56310	72460	93780	91280	103700	522830	11
12	54	39960	57720	84880	103600	106700	101200	115600	609660	11
12	55	1510	3020	40230	58790	57230	54760	56490	272030	11
12	56	43810	65930	93000	67820	93680	96810	90540	551590	11
12	57	5313	13680	55560	58360	58190	75440	90230	356773	11
12	58	142000	57950	97570	71080	74460	80690	68950	592700	11
12	59	30210	35540	61380	96860	79150	37400	68990	409530	11
12	60	928	12790	69330	96060	94280	62510	47530	383428	11
12	61	1330	2240	37690	101200	104700	44730	27780	319670	11
12	62	656	27330	67130	105600	122000	72400	45120	440236	11
	TOT	1249083	1485822	1939380	2667934	2894532	2556863	2396633	15190247	11
	AVE	32028	38098	49728	68409	74219	65561	61452	389494	11

TABLE 1 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
HISTORIC FLOW OF	13	24	8150	756	60	62	62	60	682	9832	12
THE SOUTH FORK	13	25	46100	30400	5640	695	689	1000	781	85305	12
FEATHER RIVER	13	26	55800	10600	1100	98	74	100	1720	69492	12
AT ENTERPRISE	13	27	59500	39500	13400	1830	1440	181	1030	116881	12
IN ACRE-FEET	13	28	45200	16300	2840	365	51	53	151	64960	12
	13	29	19500	20900	5270	416	34	32	54	46206	12
	13	30	42000	23800	4650	416	154	254	382	71656	12
	13	31	8980	3230	450	77	738	81	1410	14966	12
	13	32	41500	49600	16200	1230	82	55	55	108722	12
	13	33	22000	26700	14800	953	92	107	1200	65852	12
	13	34	12700	4700	690	157	138	189	328	18902	12
	13	35	91570	54960	12810	996	73	86	692	161187	12
	13	36	52830	29760	11160	1560	166	370	276	96122	12
	13	37	45790	62940	14740	1740	201	126	679	126216	12
	13	38	74180	90270	39970	5810	628	372	1230	212460	12
	13	39	26140	8120	1750	159	77	40	578	36864	12
	13	40	48950	13930	3370	586	127	158	885	68006	12
	13	41	61780	65880	15450	3950	1160	720	1030	149970	12
	13	42	60780	51010	23980	4700	1430	849	990	143739	12
	13	43	48430	21740	10520	2460	573	236	577	84536	12
	13	44	24760	39160	9590	1080	128	92	351	75161	12
	13	45	33220	37920	8740	1510	486	431	1600	83907	12

TABLE 1 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
13	46	39810	29250	4980	867	279	436	904	76526	12
13	47	25870	5100	3820	352	226	338	2780	38486	12
13	48	66930	57220	23650	2420	288	369	296	151173	12
13	49	47270	34530	5070	331	126	55	163	87545	12
13	50	56400	38900	9430	781	93	88	3350	109042	12
13	51	40940	31310	5390	983	135	181	2240	81179	12
13	52	88060	103200	43650	9500	1880	838	512	247640	12
13	53	46490	47250	30250	4980	1120	504	1320	131914	12
13	54	70950	24860	5250	1200	378	148	684	103470	12
13	55	22720	36970	6120	672	161	113	228	66984	12
13	56	44620	59130	13190	2360	689	733	2870	123592	12
13	57	29140	39160	8490	1520	393	536	3090	82329	12
13	58	76050	74730	24980	3850	1040	370	567	181587	12
13	59	26630	10380	1620	121	31	763	47	39592	12
13	60	32550	20360	5670	413	152	242	137	59524	12
13	61	25810	22540	5480	276	180	491	252	55029	12
13	62	17600	9030	3830	1080	143	166	40120	71969	12
	TOT	1687700	1346096	418050	62556	15917	11963	76241	3618523	12
	AVE	43274	34515	10719	1604	408	307	1955	92783	12

TABLE 1 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
HISTORIC FLOW OF	14	24	5848	3259	1237	245	129	77	129	10924	13
THE SOUTH FORK	14	25	17117	15601	3986	473	107	107	148	37539	13
FEATHER RIVER	14	26	21060	6776	2096	265	64	74	156	30491	13
NEAR LA PORTE	14	27	21629	19429	6722	659	134	89	127	48789	13
IN ACRE-FEET	14	28	12100	8240	869	181	78	69	88	21625	13
	14	29	6900	15900	4330	652	135	90	92	28099	13
	14	30	18000	11700	2520	304	105	102	133	32864	13
	14	31	6430	3010	821	146	65	62	407	10941	13
	14	32	14800	23600	9580	842	156	98	96	49172	13
	14	33	6310	11700	10100	719	105	63	202	29199	13
	14	34	6892	4771	2120	391	88	76	96	14434	13
	14	35	26499	21077	5710	506	105	78	158	54133	13
	14	36	19587	15201	6360	744	158	113	108	42271	13
	14	37	13333	23871	6321	574	116	91	150	44456	13
	14	38	23135	36617	15944	1102	190	140	261	77389	13
	14	39	11484	5898	2301	397	94	125	176	20475	13
	14	40	19758	8430	3412	665	163	125	174	32727	13
	14	41	21475	30183	7839	977	217	152	200	61043	13
	14	42	21544	23819	11360	1076	233	144	217	58393	13
	14	43	19057	12272	6184	818	193	144	164	38832	13
	14	44	8753	17699	5070	492	128	100	118	32360	13
	14	45	12447	19155	5213	709	215	75	260	38074	13

TABLE 1 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
14	46	15399	16199	3909	667	158	102	160	36594	13
14	47	11308	4459	3304	537	126	103	263	20100	13
14	48	19673	22238	9209	658	158	114	115	52165	13
14	49	15346	15389	3217	476	115	79	117	34739	13
14	50	18586	18029	5329	567	117	98	413	43139	13
14	51	17184	17784	4380	676	188	138	228	40578	13
14	52	26424	40795	16855	1436	219	152	207	86088	13
14	53	16416	22240	14065	1143	218	163	219	54464	13
14	54	24623	12249	3649	615	156	115	112	41519	13
14	55	8229	16785	3858	467	93	84	133	29649	13
14	56	17424	30514	7559	821	205	109	300	56932	13
14	57	10552	18818	4986	652	155	103	265	35531	13
14	58	13453	8916	2242	266	478	21	110	25486	13
14	59	4369	1150	135	7	1	48	10	5720	13
14	60	5561	2347	495	28	14	19	31	8495	13
14	61	5138	3029	556	21	11	42	56	8853	13
14	62	3469	1199	384	85	8	11	28	5184	13
	TOT	567312	590348	204227	22059	5398	3695	6427	1399466	13
	AVE	14546	15137	5237	566	138	95	165	35884	13

TABLE 1 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
HISTORIC FLOW OF	15	24	907		294	377			56	1634	14
LOST CREEK	15	25	12024	5984	830	868	1502	1479	438	23125	14
NEAR CLIPPER MILLS	15	26	14917	551	190	1180	950	611	914	19313	14
IN ACRE-FEET	15	27	16015	8521	2758	735	1937	923	824	31713	14
	15	28	11700	2420	452	157	572	356	111	15768	14
	15	29	4270	1750	277	18	168	406	110	6999	14
	15	30	7320	3230	392	59	290	480	31	11802	14
	15	31	278	74	82	25	30	41	23	553	14
	15	32	12000	9650	2180	189	15	45	62	24141	14
	15	33	6780	6580	1010	104	28	23	37	14562	14
	15	34	1360	652	79	18	6	6	12	2133	14
	15	35	25080	13010	1060	186	156	321	307	40120	14
	15	36	12300	3860	1750	125	74	560	553	19222	14
	15	37	13610	15900	1520	189	25	7	12	31263	14
	15	38	25190	27020	6770	1250	107	18	27	60382	14
	15	39	4780	682	179	12	12	12	18	5695	14
	15	40	13430	3510	594	87	39	39	45	17744	14
	15	41	17230	14400	2800	644	111	39		35224	14
	15	42	16409	11741	4220	1259	521	415	152	34717	14
	15	43	13062	3736	2356	797	339	168	131	20589	14
	15	44	5545	8312	1382	525	235	435	689	17123	14
	15	45	8586	7818	1403	193		1106	426	19532	14

TABLE 1 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
15	46	10389	5079	483		259	773	737	17720	14
15	47	5924		676	89	473	770	518	8450	14
15	48	18390	13548	4411	546		392	256	37543	14
15	49	14280	6030	735	162	399	599	235	22440	14
15	50	14980	6310	855	198	433	398	413	23587	14
15	51	9670	5980	595	299	227	497	498	17766	14
15	52	24370	27090	9130	2140	591	303	221	63845	14
15	53	12920	10210	4900	1530	263	110	128	30061	14
15	54	16790	4750	1440	205	144	92	444	23865	14
15	55	4990	8430	759	199	423	321	159	15281	14
15	56	10430	9940	2200	574	384	644	796	24968	14
15	57	6230	7880	2120	478	354	405	236	17703	14
15	58	20640	15730	4050	864	418	328	536	42566	14
15	59	4820	1310	150	410	532	466	12	7700	14
15	60	6190	3580	823	220	595	910	168	12486	14
15	61	5020	4510	1100	316	625	813	418	12802	14
15	62	12400	6880	2980	986	119	193	24320	47878	14
	TOT	441226	286658	69985	18213	13356	15504	35073	880015	14
	AVE	11313	7350	1794	467	342	398	899	22564	14

TABLE 1 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
HISTORIC FLOW OF	16	24	2380	810	290	250	270	420	1010	5430	15
BUTT CREEK	16	25	6250	3980	1170	450	410	630	1020	13910	15
ABOVE ALMANOR-	16	26	14710	4290	870	330	220	360	850	21630	15
BUTTE CREEK TUNNEL	16	27	12330	8350	3820	1030	440	590	850	27410	15
IN ACRE-FEET	16	28	8780	3810	1180	610	310	340	790	15820	15
	16	29	4500	3530	1940	430	160	330	500	11390	15
	16	30	9920	5020	1470	530	380	480	1030	18830	15
	16	31	2750	2270	610	250	170	240	570	6860	15
	16	32	8380	8080	2910	530	370	410	620	21300	15
	16	33	6040	6190	2270	500	230	270	650	16150	15
	16	34	2840	1520	710	250	120	170	380	5990	15
	16	35	21100	10480	2980	670	220	250	640	36340	15
	16	36	8260	4330	2050	530	260	370	857	16657	15
	16	37	6530	9730	2770	1170	778	602	1260	22840	15
	16	38	18420	25850	9720	3040	2050	1720	2240	63040	15
	16	39	4370	2350	1290	962	748	770	1170	11660	15
	16	40	10750	5630	2300	1620	1390	1500	1770	24960	15
	16	41	13790	18820	6120	2890	2160	1950	2100	47830	15
	16	42	15040	15040	8970	3090	2280	1820	2180	48420	15
	16	43	13030	7180	4310	2130	1840	1790	2220	32500	15
	16	44	6450	7340	2920	1630	1330	1240	1670	22580	15
	16	45	6660	7790	3360	1430	1290	1310	2160	24000	15

TABLE 1 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
16	46	8500	6710	2490	1660	1210	1250	1560	23380	15
16	47	5070	2490	1530	974	938	889	1540	13431	15
16	48	9420	11890	7200	2140	1510	1290	1530	34980	15
16	49	9250	6070	1990	1320	1240	1230	1510	22610	15
16	50	11410	9390	3620	1830	1570	1600	3020	32440	15
16	51	9560	7580	2980	1910	1880	2040	3450	29400	15
16	52	24230	27580	11210	4270	2810	2720	2750	75570	15
16	53	13200	12080	8100	3510	2620	2300	2770	44580	15
16	54	16040	8440	3470	2420	2100	2060	2220	36750	15
16	55	5280	7390	2400	1540	1360	1610	1900	21480	15
16	56	15650	17830	6850	3340	2780	2760	857	50067	15
16	57	6530	9730	2770	1170	778	602	3180	24760	15
16	58	13990	27960	9550	4130	2980	2700	2830	64140	15
16	59	7210	4630	2540	1780	1750	1890	1970	21770	15
16	60	7480	5480	2810	1770	1490	1620	1870	22520	15
16	61	6310	5380	2890	1650	1650	1510	1700	21090	15
16	62	13550	9720	4400	1910	1590	1640	7540	40350	15
	TOT	385960	342740	140830	61646	47682	47273	68734	1094865	15
	AVE	9896	8788	3611	1581	1223	1212	1762	28073	15

TABLE 1 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
HISTORIC FLOW OF	18	24	17100	11200	4600	3000	2400	2700	5800	46800	17
THE MIDDLE FORK	18	25	60100	50400	17200	6900	5300	5300	6400	151600	17
FEATHER RIVER	18	26	89800	37800	9500	5400	4300	4000	5200	156000	17
NEAR NELSON POINT	18	27	144000	105000	57800	15200	8100	7100	7300	344500	17
IN ACRE-FEET	18	28	123000	53300	13200	6800	4600	4500	5500	210900	17
	18	29	29800	40400	19200	5900	3400	3100	3800	105600	17
	18	30	97000	60400	23600	8800	4800	4500	5400	204500	17
	18	31	24800	21300	7900	3600	2400	2500	5000	67500	17
	18	32	83900	86700	47700	11600	5100	4000	5500	244500	17
	18	33	37500	41400	18900	6500	3500	3000	4300	115100	17
	18	34	21200	14800	6500	3500	2200	1900	2900	53000	17
	18	35	225300	127000	52000	14200	7000	5200	6700	437400	17
	18	36	85100	54400	29800	8900	5600	5300	6200	195300	17
	18	37	97900	60900	25600	9000	5300	4400	5700	208800	17
	18	38	362300	355300	133700	32900	14300	9900	11600	920000	17
	18	39	30300	18900	8200	4100	2300	3000	4000	70800	17
	18	40	142000	72600	27000	10500	5100	4400	5800	267400	17
	18	41	69800	102000	47700	14100	7200	6500	7500	254800	17
	18	42	146700	94300	85800	20300	8800	7200	8000	371100	17
	18	43	120400	61700	34700	10800	6600	5700	7400	247300	17
	18	44	73000	66500	26900	7600	5000	4400	5800	189200	17
	18	45	72700	76000	36000	9000	5000	4600	8200	211500	17

TABLE 1 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
18	46	103600	62900	27300	7800	5300	4700	6100	217700	17
18	47	40800	23800	15500	4800	3900	3400	7400	99600	17
18	48	85900	64600	49400	10000	5000	4400	5400	224700	17
18	49	69700	48400	17500	4900	3900	3300	4200	151900	17
18	50	104200	74700	45900	10400	5400	5000	10500	256100	17
18	51	63600	62200	21600	6900	5500	4800	8100	172700	17
18	52	480000	269500	125700	39800	15900	10700	10800	952400	17
18	53	82200	82800	73700	20300	8300	6300	7600	281200	17
18	54	86000	47100	19900	6200	4300	4400	5600	173500	17
18	55	45700	61500	27000	8200	4200	3500	4400	154500	17
18	56	154800	144800	69100	19000	8700	6500	13400	416300	17
18	57	51900	71900	36000	8400	5700	5000	10300	189200	17
18	58	201600	181600	83300	18500	9600	7300	8600	510500	17
18	59	43200	28500	13700	4700	3300	4900	5400	103700	17
18	60	54900	32500	19800	5600	4000	3800	4900	125500	17
18	61	27200	28900	18000	4300	3400	3100	6500	91400	17
18	62	84000	58600	25100	8400	4900	4600	105500	291100	17
	TOT	3933000	2956600	1422000	406800	219600	188900	358700	9485600	17
	AVE	100846	75810	36462	10431	5631	4844	9197	243221	17

TABLE 1 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
HISTORIC FLOW OF	19	24	6800	3100	1500	800	600	600	1800	15200	18
THE MIDDLE FORK	19	25	24200	12900	4700	1200	1300	1400	1300	47000	18
FEATHER RIVER	19	26	21800	6800	1000	800	600	800	1300	33100	18
NEAR CLIO	19	27	78000	32800	11400	3100	1500	1900	2100	130800	18
IN ACRE-FEET	19	28	43300	12300	2700	1500	1100	1100	1400	63400	18
	19	29	12800	4300	2700	900	600	700	1200	23200	18
	19	30	42100	20600	3700	1100	800	900	1500	70700	18
	19	31	4300	3900	1500	700	500	600	1100	12600	18
	19	32	38900	16900	6500	2200	900	1000	1100	67500	18
	19	33	13500	11300	4200	1000	600	600	1100	32300	18
	19	34	5000	1400	800	500	500	500	1000	9700	18
	19	35	110800	31100	6400	1000	800	800	1400	152300	18
	19	36	37000	13000	7000	1300	1100	1300	1300	62000	18
	19	37	44800	15400	3400	1500	1000	900	1400	68400	18
	19	38	177100	118800	28900	6400	2400	2000	2900	338500	18
	19	39	10600	2400	800	600	500	700	1100	16700	18
	19	40	66500	17400	4000	1500	800	1000	1500	92700	18
	19	41	24700	24300	8900	3300	1500	1400	2100	66200	18
	19	42	80700	33400	16800	3700	1800	1700	1900	140000	18
	19	43	59800	18600	7600	2900	1400	1400	2000	93700	18
	19	44	43500	20600	3900	1400	1000	800	1400	72600	18
	19	45	32800	21600	7200	1900	900	1000	2100	67500	18

TABLE 1 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
19	46	56100	14500	3900	1300	800	1000	1600	79200	18
19	47	11300	3200	1600	600	600	700	1500	19500	18
19	48	37200	14500	8600	1500	900	800	1300	64800	18
19	49	30100	12100	2500	700	700	700	1000	47800	18
19	50	43900	20600	6300	1800	1100	1300	3800	78800	18
19	51	21500	21600	3100	1300	1500	1300	3600	53900	18
19	52	341600	129300	35600	11000	3900	2700	3400	527500	18
19	53	35800	32400	16300	3900	1600	1500	2100	93600	18
19	54	29600	8800	2700	1000	700	1000	1300	45100	18
19	55	17100	13600	3300	900	600	600	1000	37100	18
19	56	83000	55400	14800	4200	2300	1600	4000	165300	18
19	57	18600	21000	6500	1400	1800	1000	2900	53200	18
19	58	117900	69700	19900	4600	2500	1800	2600	219000	18
19	59	10200	7100	2400	400	300	1000	1300	22700	18
19	60	18000	4900	2000	900	600	700	900	28000	18
19	61	4900	4400	2700	600	500	500	800	14400	18
19	62	64600	13800	4300	1100	600	700	39350	124450	18
	TOT	1920400	889800	272100	76500	43200	42000	106450	3350450	18
	AVE	49241	22815	6977	1962	1108	1077	2729	85909	18

TABLE 2

STREAMFLOW MODIFICATIONS

Table 2 contains 38 pages. The first two pages list the following data:

Column 1: The identification number of each historic streamflow modification record.

Column 2: The name of the modification.

Column 3: The source of the historic record used.

Column 4: The period of the historic record used.

Column 5: The period or periods when the modification was estimated.

The remaining pages tabulate the monthly and seasonal total values of each modification listed. The first column is the reach number to which the streamflow modification applies. The second column is the year of record and the last column is the identification number.

TABLE 2

STREAMFLOW MODIFICATIONS

Identification Number (a)	Modifications	Source of Record (b)	Period of Record (c)	Estimated Period (c)
67	Diversion, Hendricks, Miocene and Wilenor Canals	PG&E	Apr/24 to Oct/62	
68	Storage change, Phillbrook and Round Valley and Lake Wilenor	PG&E TID	Apr/24 to Sept/62	
72	Evaporation, Lake Almanor	DWR		Apr/24 to Oct/62
74	Storage change, Lake Almanor	USGS	Apr/24 to Oct/62	
83	Diversion, Palermo Canal	USGS	Apr/24 to Oct/62	
84	Diversion, Forbestown Ditch	USGS	Apr/24 to Oct/62	
85	Storage change, Lost Creek Reservoir	OWID	Oct/24 to Oct/62	Apr/24 to Sept/24
89	Diversion, Feather River Mile 62.6 - 30.0	DWR	Apr/24 to Oct/62	
90	Spill, Cox and Live Oak Spillways, Sutter Butte Canal	JWDB JWDB	Mar/51 to Oct/54 Mar/57 to Oct/62	Apr/24 to Oct/50 Apr/55 to Oct/56
91	Jack Slough at Marysville	DWR DWR DWR	June/57 to Oct/57 June/58 to Oct/58 Apr/59 to June/59	Apr/24 to Oct/57 Apr/58 to May/58 July/59 to Oct/62
93	Diversions, Yuba River Mile 0.0 - 16.0	DWR	Apr/24 to Oct/62	
94	Diversions, Feather River Mile 9.0 - 62.6	DWR	Apr/24 to Oct/62	

TABLE 2 (Continued)

Identification Number (a)	Modifications	Source of Record (b)	Period of Record (c)	Estimated Period (c)
95	Diversions, Bear River Mile 0.0 - 11.3	DWR	Apr/49 to Oct/62	Apr/24 to Oct/48
96	Diversion, Bear River Mile 16.7, Camp Far West Irrigation District	CFWID	Apr/54 to Oct/62	Apr/24 to Oct/53
101	Storage change, Butt Valley Reservoir	DWR		Apr/24 to Oct/62
102	Storage change, Bucks Lake	USGS	May/27 to Oct/62	
103	Evaporation, Butt Valley Reservoir	DWR		Apr/24 to Oct/62
104	Evaporation, Bucks Lake	DWR		Apr/24 to Oct/62

(a) Identification numbering of modifications begins with Number 61. Numbers not included in sequence were reserved for modifications that were not used.

(b) PG&E - Pacific Gas and Electric Company
TID - Thermalito Irrigation District
OWID - Oroville-Wyandotte Irrigation District
JWDB - Joint Water Districts Board
CFWID - Camp Far West Irrigation District

(c) April through October only unless otherwise specified.

TABLE 2 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
DIVERSION	11	24	9732	6716	3703	2949	2929	2950	4812	33791	67
HENDRICKS MIOCENE	11	25	9718	10455	10436	6797	4873	5107	5085	52471	67
AND WILENOR CANALS	11	26	4879	9024	8215	5261	4337	4193	5020	40929	67
IN ACRE-FEET	11	27	3361	7511	9880	10106	5700	5933	6429	48920	67
	11	28	560	6836	7734	6305	8757	6156	5263	41611	67
	11	29	7790	8075	9177	8851	8134	5923	4186	52136	67
	11	30	7310	10047	9963	8802	7865	5213	3006	52206	67
	11	31	7573	6491	5336	4592	2742	3944	6365	37043	67
	11	32	5376	5279	8049	6666	5678	5774	6795	43617	67
	11	33	4910	8380	8120	5220	6740	5630	4620	43620	67
	11	34	4740	5530	5510	5890	5370	5040	5320	37400	67
	11	35	6510	8450	8140	7380	6840	7200	7440	51960	67
	11	36	3500	6270	3770	8440	7880	6400	5640	41900	67
	11	37	2800	8630	9040	8460	7380	6130	6110	48550	67
	11	38	5830	3030	7570	8860	8200	5830	7750	47070	67
	11	39	9440	9410	6740	5380	5080	5520	6513	48083	67
	11	40	3175	7115	6794	5785	6289	6096	6981	42235	67
	11	41	4610	3948	7924	7128	6409	6663	7637	44319	67
	11	42	2878	6718	9086	8715	7937	7187	6058	48579	67
	11	43	8257	9630	9410	7609	7676	6131	5831	54544	67
	11	44	8697	9360	9440	8153	7679	6783	6858	56970	67
	11	45	8600	8870	8960	8069	8240	7430	6327	56496	67

TABLE 2 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
11	46	3320	3666	8644	8301	8388	6390	6930	45639	67
11	47	7440	8980	7900	7244	6732	6271	6159	50726	67
11	48	6600	8150	8490	8090	7343	7659	5659	51991	67
11	49	7530	8260	7060	6289	6687	5575	4980	46381	67
11	50	5329	7577	8150	6387	7129	7002	6685	48259	67
11	51	7685	7790	8040	7163	6947	5268	5791	48684	67
11	52	4479	3632	4871	8734	8562	7837	7158	45273	67
11	53	7726	7027	8514	9060	8404	7780	8317	56828	67
11	54	11293	11004	9622	8247	8024	7576	6585	62351	67
11	55	7662	10539	10598	8222	7346	7053	5120	56540	67
11	56	9610	9890	10460	9830	7800	7450	8630	63670	67
11	57	9090	9700	9640	8690	7990	7380	9330	61820	67
11	58	10753	10875	11283	10518	8258	7654	7594	66935	67
11	59	10786	11057	8975	7147	6161	6329	5395	55850	67
11	60	11505	11934	10254	7181	6435	6173	5574	59056	67
11	61	11300	10536	9847	9094	6028	5272	4422	56499	67
11	62	10278	10321	9104	8916	7022	5910	6046	57597	67
	TOT	272632	316713	324449	294531	267991	241812	240421	1958549	67
	AVE	6991	8121	8319	7552	6872	6200	6165	50219	67

TABLE 2 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
STORAGE CHANGE	11	24	11P	22N	43N	274N	P	P	P	328N	68
PHILLBROOK AND	11	25	234P	80P	2657N	3388N	2205N	1323N	441N	9700N	68
ROUND VALLEY RES	11	26	284P	10N	2334N	2788N	1887N	1813N	1152N	9700N	68
AND LAKE WILENOR	11	27	83P	330P	443N	4257N	2321N	3026N	1942N	11576N	68
IN ACRE-FEET	11	28	634P	602P	857N	2364N	5927N	4779N	1001N	13692N	68
	11	29	2800P	1994P	718N	3964N	5094N	2072N	630N	7684N	68
	11	30	2137P	1010P	629N	4650N	4177N	2147N	831N	9287N	68
	11	31	1898P	492P	1141N	2981N	1126N	2230N	1474N	6562N	68
	11	32	3615P	3238P	115P	1125N	2995N	3698N	2056N	2906N	68
	11	33	1024N	3140P	99N	1558N	3150N	733P	1711N	3669N	68
	11	34	1603P	13N	708N	3141N	3194N	2811N	2130N	10394N	68
	11	35	1585P	4332P	820P	1326N	3396N	3963N	2272N	4220N	68
	11	36	624P	669P	230N	2819N	4218N	2415N	2378N	10767N	68
	11	37	2092P	4242P	306P	2482N	4180N	3349N	2018N	5389N	68
	11	38	1123P	4372P	1158P	383N	2755N	1802N	2194N	481N	68
	11	39	2406P	1706P	1493N	2115N	3047N	3317N	2833N	8693N	68
	11	40	916P	1560P	83P	1365N	3103N	2873N	2346N	7128N	68
	11	41	1982P	1840P	803P	163N	701N	2035N	2639N	913N	68
	11	42	2375N	3378P	1259P	117N	1820N	2493N	1848N	4016N	68
	11	43	1898P	1275P	131P	609N	2695N	2338N	1836N	4174N	68
	11	44	1236P	2106P	159P	1639N	3822N	3612N	2732N	8304N	68
	11	45	5206P	1446P	233P	1898N	3688N	3796N	1966N	4463N	68

TABLE 2 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
11	46	3829P	2584P	107N	2449N	4238N	2334N	1903N	4618N	68
11	47	3340P	P	114N	2383N	3108N	3110N	730P	4645N	68
11	48	614P	382P	613P	150N	1959N	2074N	1311N	3885N	68
11	49	848P	845P	19N	1810N	3686N	3088N	2205N	9115N	68
11	50	1285P	1441P	1131P	707N	3515N	3209N	742N	4316N	68
11	51	397P	1528P	24N	1494N	2741N	3195N	106P	5423N	68
11	52	1030P	1519P	1792P	269N	1097N	2279N	1412P	5423P	68
11	53	773P	238N	1065P	302P	998N	2000N	1615N	2711N	68
11	54	1020P	1354P	177N	2601N	3972N	3529N	2138N	10043N	68
11	55	2420P	1230P	1179P	2721N	3843N	3935N	1290N	6960N	68
11	56	690P	1130P	720P	1350N	3270N	3270N	3280N	8630N	68
11	57	5820P	100P	170N	2680N	4126N	3177N	3240N	7473N	68
11	58	2490P	27N	4980P	770P	1060N	1720N	5650N	217N	68
11	59	2915P	4103P	780P	1156N	2694N	2864N	2513N	1429N	68
11	60	2253P	220P	209P	963N	2028N	5289N	990N	6588N	68
11	61	3768P	2089P	391N	907N	4639N	2807N	2335N	5222N	68
11	62	3393P	140N	440N	6219P	3585N	3571N	2783N	907N	68
	TOT	65853P	55887P	4742P	59755N	116060N	106610N	68177N	224120N	68
	AVE	1689P	1433P	122P	1531N	2975N	2733N	1747N	5746N	68

TABLE 2 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
EVAPORATION	12	24	2570	4080	5760	6680	5800	3420	1860	30170	72
LAKE ALMANOR	12	25	2560	4610	7220	9300	8150	4430	2760	39030	72
IN ACRE-FEET	12	26	3020	5150	7740	9670	8270	4040	1900	39790	72
	12	27	3850	6460	10460	14190	12130	7660	4190	58940	72
	12	28	5020	8080	12220	16110	14920	8820	4950	70120	72
	12	29	4490	6870	10200	13060	11720	6250	3180	55770	72
	12	30	3980	6450	9970	12950	11850	6850	3560	55610	72
	12	31	2710	4480	6770	8500	7300	3880	650	34290	72
	12	32	3300	5730	9110	12090	10840	6220	3520	50810	72
	12	33	3900	6300	9740	12770	11950	6970	3850	55480	72
	12	34	4250	6620	9750	12580	11750	6570	3570	55090	72
	12	35	4090	6640	10190	13210	12030	6910	3830	56900	72
	12	36	4140	6670	10090	13260	12120	6930	3700	56910	72
	12	37	4020	6480	10130	13300	12300	7320	3990	57540	72
	12	38	3890	6310	10010	13630	12750	7380	4070	58040	72
	12	39	3980	6360	9640	12570	11410	6560	3570	54090	72
	12	40	4380	6830	10300	13750	12320	7160	3850	58590	72
	12	41	4150	6570	10220	13800	12970	7680	4280	59670	72
	12	42	4590	7360	11250	15250	14250	8330	4530	65560	72
	12	43	4770	7510	11480	15250	14180	8330	4600	66120	72
	12	44	6570	7200	11100	14650	13270	7600	4130	64520	72
	12	45	4630	7380	11350	15010	13760	7900	4330	64360	72

TABLE 2 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
12	46	4170	6800	10500	13630	12300	7080	3930	58410	72
12	47	4650	7320	10800	13900	12320	7060	3930	59980	72
12	48	4180	6980	11180	15200	14170	820	4540	57070	72
12	49	4400	7080	10830	13900	12350	7200	3970	59730	72
12	50	6920	7290	11200	15500	13700	8030	4380	67020	72
12	51	4540	7400	11480	15010	13700	7900	4310	64340	72
12	52	3730	6430	10950	15010	14020	8160	4380	62680	72
12	53	4400	7140	11200	15010	13860	8000	4310	63920	72
12	54	4500	7380	11080	14400	12900	7270	3820	61350	72
12	55	3650	6010	9340	12250	11150	6440	3510	52350	72
12	56	4170	7140	11480	15280	14020	8100	4370	64560	72
12	57	4500	7360	11390	14950	13880	8050	4350	64480	72
12	58	4330	7570	11633	15365	14238	8208	4648	65992	72
12	59	4496	6965	10361	12740	11618	6936	3737	56853	72
12	60	4330	7073	10547	12957	11618	6384	3670	56579	72
12	61	4257	6842	10547	12957	11363	6500	3737	56203	72
12	62	4496	7182	10547	12957	11363	6240	3587	56372	72
	TOT	164579	260102	399765	522596	474610	265588	148049	2235289	72
	AVE	4220	6669	10250	13400	12169	6810	3796	57315	72

TABLE 2 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
STORAGE CHANGE	12	24	14900P	1230N	30800N	35300N	6030N	1900N	28700N	89060N	74
LAKE ALMANOR	12	25	53800P	56200P	3270N	38800N	32000N	28300N	12900N	5270N	74
IN ACRE-FEET	12	26	88400P	27800P	24300N	49100N	60700N	55200N	29300N	102400N	74
	12	27	86300P	107000P	61300P	19600N	41600N	33800N	45500N	102400P	74
	12	28	82500P	75200P	22500N	56700N	41800N	8000N	28400N	102400P	74
	12	29	17200N	3380N	15400N	62800N	92700N	85700N	60100N	337280N	74
	12	30	76800P	62100P	6720N	43500N	54000N	41900N	67673N	74893N	74
	12	31	38043P	18678P	11117N	35967N	35230N	30286N	22107P	33772N	74
	12	32	60268P	77292P	35298P	46632N	36947N	30711N	23199P	33772P	74
	12	33	41514P	50354P	31834P	38090N	44098N	15565N	32810N	6861N	74
	12	34	42547P	17493N	34690N	43452N	41836N	38541N	22155N	155620N	74
	12	35	69694P	57169P	12783N	40069N	64828N	44498N	6049N	41364N	74
	12	36	82289P	24388P	8585N	22476N	66707N	60471N	28751N	80313N	74
	12	37	53603P	70485P	12752P	42536N	19147N	37864N	40926N	3633N	74
	12	38	13073P	99621P	33477P	7694P	42122N	44702N	23361N	3633P	74
	12	39	51900P	25400P	4600N	38000N	49500N	31200N	28400N	74400N	74
	12	40	9800N	26300P	8900N	32000N	42200N	50900N	47200N	164700N	74
	12	41	23600P	40700P	27300P	5800N	12800N	12400N	22200N	164700P	74
	12	42	76200P	24600P	35300P	9400N	27400N	48000N	52300N	1000N	74
	12	43	28400P	29800P	600P	13100N	31400N	32000N	24200N	41900N	74
	12	44	15400P	40600P	28700P	49800N	68300N	41000N	22200N	96600N	74
	12	45	23800P	67400P	5300P	40600N	54500N	54900N	7900N	61400N	74

TABLE 2 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
12	46	76100P	54400P	9500N	53700N	57900N	41900N	1300P	31200N	74
12	47	52800P	6500N	14200N	75100N	74000N	48100N	15700P	149400N	74
12	48	78800P	105200P	60400P	18100N	34900N	29000N	72100N	149400P	74
12	49	48700P	44400P	12600N	64400N	63700N	33800N	12900N	94300N	74
12	50	80800P	56700P	5100P	31500N	34800N	42300N	12900N	94300P	74
12	51	68100P	56900P	200N	40500N	45900N	44500N	44100N	50200N	74
12	52	63000P	179200P	72500P	9000P	42100N	49300N	66700N	50200P	74
12	53	44400P	65900P	38700P	21200N	56600N	53100N	60400N	42300N	74
12	54	97500P	44500P	28100N	64600N	75500N	67900N	78600N	172700N	74
12	55	45700P	58800P	900N	33800N	34600N	30500N	27800N	23100N	74
12	56	107200P	125100P	15500P	11200N	52500N	56700N	41700N	23100P	74
12	57	57600P	81100P	6100N	30600N	33400N	47100N	54100N	32600N	74
12	58	28400N	139400P	30800P	6600N	28300N	41300N	26000N	32600P	74
12	59	28100P	17400P	28800N	66100N	58700N	9100N	40200N	157400N	74
12	60	57300P	51800P	27200N	73500N	76300N	43700N	25300N	136900N	74
12	61	58500P	72900P	11900P	84600N	82700N	24100N	2100N	50200N	74
12	62	90900P	56600P	25100N	80900N	98900N	54600N	40200P	71800N	74
	TOT	2023131P	2162784P	170396P	1503428N	1916645N	1544838N	1093419N	1702019N	74
	AVE	51875P	55456P	4369P	38548N	49144N	39610N	28035N	43641N	74

TABLE 2 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
DIVERSION	13	24	1340	2100	1010	652	965	601	824	7492	83
PALERMO CANAL	13	25	1080	1730	2010	2190	2310	1940	1230	12490	83
IN ACRE-FEET	13	26	827	1810	2210	1950	1840	1590	990	11217	83
	13	27	750	1290	1380	1920	2230	2050	1610	11230	83
	13	28	934	1800	1980	2130	2070	1650	1440	12004	83
	13	29	17	1540	1980	1980	1330	1360	1140	9347	83
	13	30		492	2150	2120	1720	1610	1380	9472	83
	13	31	946	1990	1930	1030	658	762	621	7937	83
	13	32	881	1470	1890	2060	1650	1220	1190	10361	83
	13	33		621	1280	1500	1260	916	571	6148	83
	13	34	684	1600	1740	1140	799	589	946	7498	83
	13	35	700	794	1650	2020	1610	1630	1380	9784	83
	13	36		129	1540	1960	1860	1960	1780	9229	83
	13	37	1470	1130	1540	1890	1800	1580	1450	10860	83
	13	38			752	1800	2200	1780	1290	7822	83
	13	39	447	1690	1590	1370	1050	962	905	8014	83
	13	40	240	1260	1740	1820	1660	1500	1200	9420	83
	13	41	453	745	1710	1800	1840	1570	1230	9348	83
	13	42	148	341	1290	1870	1880	1630	1380	8539	83
	13	43	670	1350	1880	1810	1930	1770	1600	11010	83
	13	44	1240	1710	1730	1840	1850	1850	1670	11890	83
	13	45	1270	1700	1810	1990	1820	1790	1740	12120	83

TABLE 2 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
13	46	1040	1870	1870	1910	1850	1710	1360	11610	83
13	47	846	1620	1600	1720	1640	1620	1400	10446	83
13	48	416	795	1340	1910	1840	1820	1570	9691	83
13	49	1100	1790	1760	1870	1820	1730	1310	11380	83
13	50	638	1770	1840	1900	1950	1740	1550	11388	83
13	51	1510	1640	1720	1780	1770	1730	1350	11500	83
13	52	566	1320	1680	1770	1800	1690	1720	10546	83
13	53	194	1050	1610	1830	1840	1650	1260	9434	83
13	54	636	1420	1810	1910	1900	1650	1320	10646	83
13	55	745	938	1620	1660	1760	1560	1370	9653	83
13	56	910	1150	1660	1740	1750	1690	1480	10380	83
13	57	533	1289	1845	1906	1906	1745	740	9964	83
13	58	285	1410	1650	1760	1790	1740	1750	10385	83
13	59	1260	1460	1550	1830	1670	1370	1280	10420	83
13	60	650	1190	1620	1790	1800	1750	1260	10060	83
13	61	855	1170	1600	1910	1780	1550	1370	10235	83
13	62	1580	1820	1760	1830	1720	1660	919	11289	83
	TOT	27861	50994	65327	69868	66918	60715	50576	392259	83
	AVE	714	1308	1675	1791	1716	1557	1297	10058	83

TABLE 2 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
DIVERSION	15	24	1072	1680	808	522	772	481	656	5991	84
FORBESTOWN DITCH	15	25	864	1384	1608	1752	1848	1552	984	9992	84
IN ACRE-FEET	15	26	664	1448	1768	1560	1472	1272	792	8976	84
	15	27	600	1032	1104	1536	1784	1640	1800	9496	84
	15	28	303	1530	1940	2250	2150	2080	2040	12293	84
	15	29	1180	1990	2040	2040	2140	2090	1660	13140	84
	15	30	1310	1540	1990	2050	2280	2070	1960	13200	84
	15	31	1580	1400	1420	2180	2210	2120	1230	12140	84
	15	32	756	916	1360	1940	2230	2140	1960	11302	84
	15	33	833	1240	1640	2020	2280	2030	1700	11743	84
	15	34	1310	1630	1580	2210	2240	2170	2110	13250	84
	15	35	42	875	1690	2130	2280	2260	1800	11077	84
	15	36	619	1460	1870	2220	2470	2410	2310	13359	84
	15	37	238	1350	2040	2390	2630	2520	2270	13438	84
	15	38		407	1870	2250	2410	2380	1250	10567	84
	15	39	1280	1380	1670	2140	2280	1990	1320	12060	84
	15	40	103	505	2300	2460	2360	2010	1910	11648	84
	15	41	584	1470	1660	2230	2320	2320	2294	12878	84
	15	42	323	843	1270	2130	2263	2220	2294	11343	84
	15	43	198	843	1050	1837	2294	2220	2294	10736	84
	15	44	1278	1466	1698	2176	2294	2220	2150	13282	84
	15	45	519	1416	1904	2480	2708	2700	2107	13834	84

TABLE 2 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
15	46	502	2061	2220	2425	2564	2324	1856	13952	84
15	47	627	1795	1776	2143	2294	2200	1923	12758	84
15	48	144	843	1339	2170	2294	2220	2273	11283	84
15	49	1365	1594	2194	2508	2508	2427	2167	14763	84
15	50	207	1702	2564	2790	2790	2524	2089	14666	84
15	51	471	1600	2090	2527	2770	2700	2478	14636	84
15	52	144	725	2220	2349	2508	2427	2508	12881	84
15	53	144	731	1208	2259	2428	2427	2150	11347	84
15	54	179	760	1950	2180	1990	2190	2210	11459	84
15	55	872	696	2140	2300	2310	2250	2050	12618	84
15	56	672	1600	1850	2200	2350	2240	1950	12862	84
15	57	659	1570	1800	2200	2220	2150	1070	11669	84
15	58	115	1670	1830	2280	2250	2120	2130	12395	84
15	59	1420	2080	2140	2220	2180	2120	1970	14130	84
15	60	902	1590	1850	2060	2180	2090	1670	12342	84
15	61	1160	1320	1890	2060	2060	1930	1670	12090	84
15	62	424	1720	1970	2220	2150	2160	1090	11734	84
	TOT	25663	51862	69311	83394	87561	83394	72145	473330	84
	AVE	658	1330	1777	2138	2245	2138	1850	12137	84

TABLE 2 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
STORAGE CHANGE	15	24							374P	P	85
LOST CREEK RESERVOIR	15	25	P	266P	140P	952N	2282N	1866N	261N	4955N	85
IN ACRE-FEET	15	26	2N	365P	283N	1597N	1918N	1102N	408N	4945N	85
	15	27	P	338P	13N	147N	2404N	1552N	1311N	5089N	85
	15	28	40N	360P	50N	350P	1570N	1464N	979N	3393N	85
	15	29	14P	367P	138N	907N	1570N	1775N	890N	4899N	85
	15	30	10N	360P	90N	680N	1420N	1560N	990N	4390N	85
	15	31	420P	10N	150N	1490N	1800N	1570N	5P	4595N	85
	15	32			350P	260N	1130N	1320N	1160N	3520N	85
	15	33			500P	710N	1520N	1260N	540N	3530N	85
	15	34	160P		170N	1160N	1580N	1450N	1050N	5250N	85
	15	35			540P	280N	1210N	1580N	920N	3450N	85
	15	36		630P		140N	1170N	1890N	1690N	4260N	85
	15	37			530P	400N	1380N	1400N	1010N	3660N	85
	15	38	50P	50N	380P		450N	730N	680P	120N	85
	15	39	340P	190P	180N	890N	1480N	250N	184P	2086N	85
	15	40	90N	480P	270N	260N	1010N	790N	500N	2440N	85
	15	41	10N	20N	450P	80N	350N	790N	550N	1350N	85
	15	42		15P	565P	215N	350N	865N	890N	1740N	85
	15	43	10N	550P	40N	300N	860N	845N	975N	2480N	85
	15	44	30P	220P	260P	860N	1200N	1445N	1825N	4820N	85
	15	45	15N	485P	160N	415N	185N	2990N	550N	3830N	85

TABLE 2 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
15	46	70P	455P	235N	230N	1360N	2020N	1460N	4780N	85
15	47	440P	70N	380N	580N	1810N	2030N		4430N	85
15	48	20P		190P	240N	260N	1110N	1675N	3075N	85
15	49	40P	590P	260N	450N	1530N	1950N	1210N	4770N	85
15	50	20P	460P	60N	640N	1885N	1670N	140P	3635N	85
15	51	400P	50P	70P	480N	890N	1560N	682N	3092N	85
15	52	70P	567P	24P	187N	367N	412N	546N	851N	85
15	53	40P	40N	644P	57N	506N	479N	466N	864N	85
15	54	14P	501P	43N	323N	613N	1106N	1895N	3465N	85
15	55	400P	257P	172N	763N	1984N	1691N	1030N	4983N	85
15	56		530P	100P	240N	670N	1760N	250N	2290N	85
15	57	210P			450N	954N	1608N	717P	2085N	85
15	58	21N	617P	14N	115N	407N	1089N	1199N	2228N	85
15	59	673P	15N	385N	1183N	1636N	1204N	861N	4611N	85
15	60	741P	14N	100N	519N	1796N	2216N	1095N	4999N	85
15	61	686P	P	229N	774N	1670N	1742N	1400N	5129N	85
15	62	286P	1590N	2420N	1326N	1460N	1323N	680P	7153N	85
	TOT	4926P	6844P	1099N	19950N	46637N	53464N	27488N	136868N	85
	AVE	126P	175P	27N	511N	1195N	1370N	704N	3508N	85

TABLE 2 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
DIVERSION	9	24	36014	72323	57257	55807	64242	45271	20222	351136	89
FEATHER RIVER	9	25	9506	70105	85385	84211	75372	60791	10958	396328	89
MILE 62.6 TO 30.0	9	26	16360	80619	99414	99916	97090	52635	11895	457929	89
IN ACRE-FEET	9	27	17321	93405	102926	107400	96080	69113	23463	509708	89
	9	28	19682	99391	104013	97020	90698	47053	19295	477152	89
	9	29	47231	91775	78580	82199	75767	40671	25061	441284	89
	9	30	31038	75055	83915	86557	81766	39359	29715	427405	89
	9	31	62790	89569	75707	74276	63809	36041	23088	425280	89
	9	32	47694	81092	87867	92229	86261	45654	31985	472782	89
	9	33	28247	82077	81205	83916	74422	49113	30296	429276	89
	9	34	32014	86240	74144	75021	66286	38664	28255	400624	89
	9	35	1538	50811	85954	84700	78441	47939	23615	372998	89
	9	36	13029	88721	84313	90347	82519	52291	31706	442926	89
	9	37	5154	89829	93686	101080	93777	61125	27728	472379	89
	9	38	3512	75416	93577	100777	99517	74961	42559	490319	89
	9	39	66904	92128	84292	84439	76776	35477	22620	462636	89
	9	40	2145	83165	91631	98790	88620	57641	33488	455480	89
	9	41	2448	68944	67250	96646	94574	73811	46343	450016	89
	9	42		60119	109251	119759	116950	82910	29738	518727	89
	9	43	12649	98539	118832	124404	117906	89368	34904	596602	89
	9	44	42444	122234	117591	131911	123669	79544	49995	667388	89
	9	45	25767	124960	127484	135145	125602	87779	38838	665575	89

TABLE 2 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
9	46	52345	148922	132072	137019	125898	77125	33354	706735	89
9	47	28643	147052	122667	129834	118314	73640	20429	640579	89
9	48	5717	64333	124132	135721	115909	81098	36251	563161	89
9	49	55859	140555	133208	131241	119977	55326	45722	681888	89
9	50	33863	133219	129041	128928	110340	62563	36475	634429	89
9	51	91854	125878	135643	135728	118581	55725	31649	695058	89
9	52	29132	126589	136670	143455	133363	87104	40371	696684	89
9	53	65574	138860	138929	154114	132556	79418	37783	747234	89
9	54	14495	133569	147533	151463	133599	89360	46696	716715	89
9	55	88805	132954	133134	125942	111693	58040	39201	689769	89
9	56	64580	120193	123372	132392	119501	64823	40698	665559	89
9	57	61768	118889	115797	123835	106748	57514	18574	603125	89
9	58	12566	130570	121698	130068	117951	56822	48866	618541	89
9	59	102367	131575	129758	129350	115003	52412	42501	702966	89
9	60	86197	132239	135668	132142	109828	59799	50542	706415	89
9	61	70587	138890	131345	127909	109929	61649	41230	681539	89
9	62	93870	137568	140108	144018	128152	69650	20948	734314	89
	TOT	1481709	4078372	4235049	4399709	3997486	2409279	1267057	21868661	89
	AVE	37993	104574	108591	112813	102500	61776	32489	560735	89

TABLE 2 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
SPILL	9	24	4565	2185	641	373	42	2237	4602	14645	90
COX AND LIVE OAK	9	25	1164	2346	1187	655	59	3409	2889	11709	90
SPILLWAYS	9	26	1867	2553	1342	734	72	2582	1303	10453	90
SUTTER BUTTE CANAL	9	27	1962	3237	1480	830	74	3742	6399	17724	90
IN ACRE-FEET	9	28	2529	3389	1505	762	71	2618	4308	15182	90
	9	29	5746	3062	1173	656	61	2146	4482	17326	90
	9	30	3831	2598	1192	659	62	2142	7345	17829	90
	9	31	7806	2914	1110	521	74	2022	5345	19792	90
	9	32	6250	2964	1405	713	108	2828	7910	22178	90
	9	33	3897	3104	1341	661	95	2772	8511	20381	90
	9	34	4333	2835	1122	558	81	2236	6974	18139	90
	9	35	204	1985	1419	674	103	2760	6542	13687	90
	9	36	1764	3095	1372	695	105	3108	8212	18351	90
	9	37	611	3492	1579	808	121	3598	9265	19474	90
	9	38	419	2808	1572	802	130	4481	13669	23881	90
	9	39	7882	3157	1173	580	86	1974	4782	19634	90
	9	40	269	2756	1326	700	105	3258	9311	17725	90
	9	41	289	2374	985	677	113	4095	13057	21590	90
	9	42		2042	1630	825	136	4389	8470	17492	90
	9	43	1527	3007	1594	804	80	4437	9554	21003	90
	9	44	4481	3599	1550	853	83	3980	12421	26967	90
	9	45	2948	3736	1655	853	82	4242	10933	24449	90

TABLE 2 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
9	46	5555	4164	1758	871	82	3647	8874	24951	90
9	47	2970	3979	1633	810	76	3546	6357	19371	90
9	48	706	2164	1682	893	78	3770	9683	18976	90
9	49	5615	4024	1687	797	77	2770	11190	26160	90
9	50	3955	4119	1767	817	73	3150	9697	23578	90
9	51	4278	6966	1093	275		7454	10041	30107	90
9	52	6072	3834	3366	2855	323	4465	12123	33038	90
9	53	7594	4424	3626	1124	34	3941	10612	31355	90
9	54	3854	2031	659	77	20	2251	19256	28148	90
9	55	12715	4602	2098	842	75	3886	17922	42140	90
9	56	10359	4420	2084	1022	89	4272	19727	41973	90
9	57	6777	6419	2208	2192	1855	4324	4171	27946	90
9	58	4577	4007	1990	891	548	4708	10029	26750	90
9	59	4972	4353	2162	968	596	5114	10895	29060	90
9	60	5128	4489	2230	998	614	5275	11236	29970	90
9	61	4686	4103	2038	912	561	4821	10269	27390	90
9	62	5025	4400	2185	978	602	5169	11011	29370	90
	TOT	159182	135736	63619	32715	7646	141619	359377	899894	90
	AVE	4082	3480	1631	839	196	3631	9215	23074	90

TABLE 2 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
RETURN FLOW	7	24	1815	5408	5117	5059	5605	4229	1875	29108	91
JACK SLOUGH	7	25	1815	5408	5117	5059	5605	4229	1875	29108	91
AT MARYSVILLE	7	26		2985	3614	4516	6438	3510	85	21148	91
IN ACRE-FEET	7	27	94	4077	5581	5127	5132	3336	306	23653	91
	7	28		4699	5016	5132	5357	1796		22000	91
	7	29	1862	6801	5011	4989	5311	5814	3000	32788	91
	7	30	2026	5576	5550	6153	6386	5374	2884	33949	91
	7	31	4718	7482	5605	4566	5185	4894	4038	36488	91
	7	32	4007	6240	5436	4934	5424	4877	2810	33728	91
	7	33	3413	6677	5731	5624	6407	5888	3094	36834	91
	7	34	3098	6652	5847	5761	4889	2482		28729	91
	7	35	112	5553	5964	5712	5768	5021		28130	91
	7	36	4453	7220	5781	5192	5753	5941	2634	36974	91
	7	37	3820	6322	5596	5117	5821	6826	1907	35409	91
	7	38	170	3086	5196	5253	5671	6432	722	26530	91
	7	39	4211	8372	7155	6868	7542	6462	2800	43410	91
	7	40	626	5887	7933	8169	7100	8522	5200	43437	91
	7	41	1239	6798	7250	7249	8121	8454	6780	45891	91
	7	42		3661	8352	7981	8983	10369	7976	47322	91
	7	43	898	6817	8519	9001	10171	12821	10798	59025	91
	7	44	3458	8890	8838	8966	9415	10618	6492	56677	91
	7	45	2048	6257	8774	7551	8411	10302	9622	52965	91

TABLE 2 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
7	46	3407	9638	8986	9140	10047	10944	9197	61359	91
7	47	1803	11059	9237	9291	11635	12385	7445	62855	91
7	48		7929	7885	9156	10829	13456	10068	59323	91
7	49	4247	12074	9624	10343	10812	10528	7724	65352	91
7	50	3411	14054	11761	11275	12433	15245	11634	79813	91
7	51	6214	13141	11275	10350	10868	9654	5098	66600	91
7	52	2813	14538	12693	11924	13812	15738	11030	82548	91
7	53	5056	14966	13191	11641	13613	15598	7778	81843	91
7	54		15020	15189	14685	16183	16819	10451	88347	91
7	55	6288	13221	15423	16802	16319	11160	5828	85041	91
7	56	8506	16933	15108	15576	16988	14594	9768	97473	91
7	57	7286	16121	16291	16082	18123	14634	7864	96401	91
7	58	6202	11522	18802	18159	21125	16831	11065	103706	91
7	59	6958	12926	21094	20373	23701	18884	12415	116351	91
7	60	6907	12832	20939	20223	23577	18745	12323	115546	91
7	61	6563	12193	19898	19218	22356	17813	11711	109752	91
7	62	7266	13500	22030	21276	24751	19721	12965	121509	91
	TOT	126810	352535	386409	379493	421667	390946	239262	2297122	91
	AVE	3252	9039	9908	9731	10812	10024	6135	58901	91

TABLE 2 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
DIVERSION	8	24									93
YUBA RIVER	8	25		617	1595	985	586	249	14	4046	93
MILE 0.0 TO 16.0	8	26		4681	6825	8893	10785	4604	120	35908	93
IN ACRE-FEET	8	27	304	6492	9761	9808	8733	4220	432	39750	93
	8	28		7329	8759	9651	8816	2245		36800	93
	8	29	3972	10808	8843	9376	8710	7308	4237	53254	93
	8	30	4803	9234	10293	11752	10825	7137	4477	58521	93
	8	31	10471	12111	10427	8991	8986	6468	5866	63320	93
	8	32	8778	10151	9973	9525	9188	6371	4215	58201	93
	8	33	7822	11264	10721	11040	10920	7724	4627	64118	93
	8	34	6907	10921	10780	11112	8454	3496	232	51902	93
	8	35	525	9034	11008	11313	10013	6674	283	48850	93
	8	36	9709	11579	10513	10330	10009	7908	4010	64058	93
	8	37	8093	9913	10055	9749	9815	8835	2703	59163	93
	8	38	360	4807	9371	9982	9433	8284	1020	43257	93
	8	39	8986	13174	12890	12889	12739	8304	3955	72937	93
	8	40	1326	9377	14114	15190	11798	10780	7383	69968	93
	8	41	2624	10589	13076	13574	13419	10672	9576	73530	93
	8	42	36	5703	14736	14955	14841	13086	11349	74706	93
	8	43	1903	10622	15237	16806	16972	16233	15252	93025	93
	8	44	7327	13857	15601	16786	15532	13311	9185	91599	93
	8	45	4338	9815	15479	14112	13848	13046	13590	84228	93

TABLE 2 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
8	46	7222	15231	15845	17082	16356	13940	13010	98686	93
8	47	3820	17316	16339	17364	19152	15577	10517	100085	93
8	48	23	12350	13849	17305	17954	16994	14256	92731	93
8	49	9062	18933	17288	19416	17890	13338	10920	106847	93
8	50	7306	22080	20741	21023	20372	19401	16461	127384	93
8	51	13225	20513	19885	19266	17756	12477	7202	110324	93
8	52	5959	22828	22537	22231	22622	20056	15580	131813	93
8	53	10933	23354	23371	22271	22462	19742	10988	133121	93
8	54		23630	26960	27574	26512	21088	14784	140548	93
8	55	13519	20780	27266	31457	26823	14126	8246	142217	93
8	56	18113	26574	26727	29242	27748	18278	13860	160542	93
8	57	15502	25344	29199	30295	29782	18669	11112	159903	93
8	58	4560	28099	25969	28903	27933	16511	18440	150415	93
8	59	23847	30548	29774	29331	27771	18516	12079	171866	93
8	60	18015	28066	29964	30775	28641	18603	13189	167253	93
8	61	16666	28451	29064	29873	27647	16825	12220	160746	93
8	62	23416	30265	30151	31617	30788	20120	11061	177418	93
	TOT	279472	586440	634986	661844	632631	461216	316451	3573040	93
	AVE	7166	15037	16282	16970	16221	11826	8114	91616	93

TABLE 2 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
DIVERSION	7	24	36410	75582	60063	58360	67293	47186	20490	365384	94
FEATHER RIVER	7	25	9506	70920	88871	88462	79504	62878	11243	411384	94
MILE 9.0 TO 62.6	7	26	16528	83279	103509	104911	100787	54297	12070	475381	94
IN ACRE-FEET	7	27	17522	96451	107666	113346	100547	71460	23877	530869	94
	7	28	19912	101643	109801	103633	96344	48155	19378	498866	94
	7	29	48447	96002	82323	86690	80244	42328	25295	461329	94
	7	30	31719	77961	89599	91863	86784	40612	30188	448726	94
	7	31	66451	95525	81960	80867	69332	38722	23846	456703	94
	7	32	49944	85920	93642	99234	92296	48934	33429	503399	94
	7	33	30821	87220	87760	90693	80669	52681	31421	461265	94
	7	34	34139	90970	80309	80816	71073	42950	28827	429084	94
	7	35	1538	51974	89563	91389	83223	50893	24293	392873	94
	7	36	14136	92675	91880	98018	87970	56298	33416	474393	94
	7	37	5647	92593	99713	108637	100958	65735	29920	503203	94
	7	38	3512	76975	98432	107787	104603	77763	42656	511728	94
	7	39	70811	96248	88648	89733	80595	37108	22620	485763	94
	7	40	2207	84364	95399	104143	91801	58961	33688	470563	94
	7	41	2448	70513	72931	103002	100169	78299	47027	474389	94
	7	42		61352	113222	125259	121666	86404	30435	538338	94
	7	43	13290	101529	125063	131021	123043	93178	35528	622652	94
	7	44	43792	128108	122960	138513	129108	83743	50725	696949	94
	7	45	26056	129443	132884	140395	130749	91331	39637	690495	94

TABLE 2 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
7	46	53921	155033	138030	143075	131102	80541	33890	735592	94
7	47	30151	152532	128249	135714	123736	76994	20805	668181	94
7	48	5717	66317	127465	140614	120415	84607	36657	581792	94
7	49	57255	145010	139373	135420	124236	58281	47331	706906	94
7	50	35170	137964	133548	135863	113405	64982	37955	658887	94
7	51	94288	131165	141330	141571	123665	60269	32693	724981	94
7	52	29180	131898	142115	149449	139162	91293	41963	725060	94
7	53	68589	143719	144990	161563	138473	83430	38169	778933	94
7	54	14798	140684	155120	158915	140884	94431	47896	752728	94
7	55	92159	139149	138989	132172	117245	60495	39653	719862	94
7	56	65669	125342	128597	138205	124736	67062	41117	690728	94
7	57	63589	124826	123107	130935	113439	61131	18606	635633	94
7	58	12694	134469	127391	136041	123642	58891	48989	642117	94
7	59	107413	138523	135911	135627	120847	54561	42501	735383	94
7	60	89663	138530	145491	141144	118402	63155	51488	747873	94
7	61	74573	147193	140778	137821	118092	65686	41868	726011	94
7	62	98957	147178	149813	152726	135902	73773	21840	780189	94
	TOT	1538622	4246779	4456495	4643627	4206141	2529498	1293430	22914592	94
	AVE	39452	108892	114269	119067	107850	64859	33165	587554	94

TABLE 2 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL
DIVERSION	6	24								95
BEAR RIVER	6	25								95
MILE 0.0 TO 11.3	6	26								95
IN ACRE-FEET	6	27								95
	6	28								95
	6	29								95
	6	30								95
	6	31								95
	6	32								95
	6	33								95
	6	34								95
	6	35								95
	6	36								95
	6	37								95
	6	38								95
	6	39								95
	6	40								95
	6	41								95
	6	42								95
	6	43								95
	6	44								95
	6	45								95

TABLE 2 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
6	46									95
6	47									95
6	48									95
6	49	67	145	118	65				395	95
6	50	25	244	301	234	87	45	35	971	95
6	51	21	43	127	131	59	8		389	95
6	52			21	2	9	8		40	95
6	53	8	1	11	11		24		55	95
6	54		92	17					109	95
6	55	8	43	142	112	113	17		435	95
6	56	100	93	152	175	156	42		718	95
6	57	81	114	197	163	116	88		759	95
6	58	21	198	233	174	163	76		865	95
6	59	154	10	26	11	18	47		266	95
6	60	170	99	163	74	23	14		543	95
6	61	88	180	181	168	111	54	21	803	95
6	62	70	13	148	176	116			523	95
	TOT	813	1275	1837	1496	971	423	56	6871	95
	AVE	21	33	47	38	25	11	1	176	95

TABLE 2 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
DIVERSION	6	24									96
BEAR RIVER	6	25									96
MILE 16.7	6	26									96
CAMP FAR WEST ID	6	27									96
IN ACRE-FEET	6	28									96
	6	29	280	550	930	1000	500	400	240	3900	96
	6	30	280	550	930	1000	500	400	240	3900	96
	6	31	280	550	930	1000	500	400	240	3900	96
	6	32	280	550	930	1000	500	400	240	3900	96
	6	33	280	550	930	1000	500	400	240	3900	96
	6	34	280	550	930	1000	500	400	240	3900	96
	6	35	280	550	930	1000	500	400	240	3900	96
	6	36	280	550	930	1000	500	400	240	3900	96
	6	37	280	550	930	1000	500	400	240	3900	96
	6	38	280	550	930	1000	500	400	240	3900	96
	6	39	280	550	930	1000	500	400	240	3900	96
	6	40	280	550	930	1000	500	400	240	3900	96
	6	41	280	550	930	1000	500	400	240	3900	96
	6	42	280	550	930	1000	500	400	240	3900	96
	6	43	280	550	930	1000	500	400	240	3900	96
	6	44	280	550	930	1000	500	400	240	3900	96
	6	45	280	550	930	1000	500	400	240	3900	96

TABLE 2 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
6	46	280	550	930	1000	500	400	240	3900	96
6	47	280	550	930	1000	500	400	240	3900	96
6	48	280	550	930	1000	500	400	240	3900	96
6	49	280	550	930	1000	500	400	240	3900	96
6	50	280	550	930	1000	500	400	240	3900	96
6	51	280	550	930	1000	500	400	240	3900	96
6	52	280	550	930	1000	500	400	240	3900	96
6	53	280	550	930	1000	500	400	240	3900	96
6	54	420	652	1052	1064	578	404		4170	96
6	55	290	449	802	928	365	312	449	3595	96
6	56	308	478	794	924	476	607	352	3939	96
6	57	369	572	924	929	540	387	49	3770	96
6	58	200	1386	2590	2590	1300	950	500	9516	96
6	59	167	1331	1796	1783	1015	831	1220	8143	96
6	60		1019	2386	2259	937	822	896	8319	96
6	61		3004	2073	2113	1012	1003	1495	10700	96
6	62	1011	2009	1972	2198	1440	237		8867	96
	TOT	9765	24650	37639	39788	20163	15553	10961	158519	96
	AVE	250	632	965	1020	517	399	281	4065	96

TABLE 2 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
STORAGE CHANGE	16	24	566P	1131N	18293P	19382P	13274N	17063N	11283P	7153P	101
BUTT VALLEY RES	16	25	4021P	9204N	205P	8087P	5514N	4202N	7845N	14452N	101
IN ACRE-FEET	16	26	1782P	45N	3363P	2875N	793P	351N	1474P	14452P	101
	16	27	10135P	943P	3592N	754N	10055N	14592N	4744P	13171N	101
	16	28	8910P	5132N	4038P	5206P	3958N	19082N	1395P	8623N	101
	16	29	6049P	11040N	6109P	2971P	4521P	1813P	18147N	7724N	101
	16	30	6370P	1650N	2710P	4960P	3870P	21990N	2335P	3395N	101
	16	31	1546P	2064N	1155N	1343P	1467N	2614P	22302N	21485N	101
	16	32	6960P	6630P	5325N	234P	12698N	14211P	15802N	5790N	101
	16	33	4552P	4061P	613P	7143P	3894P	15818N	2737P	5790P	101
	16	34	9037N	15171P	10283P	826P	468P	619P	11521N	5790P	101
	16	35	10941P	12869P	3557N	3828P	P	191P	31302N	7030N	101
	16	36	5899P	14291P	32N	24886N	496P	1600P	9120N	11752N	101
	16	37	7538P	15502P	1448P	1403N	22494N	230N	120P	11752P	101
	16	38	7878P	10433N	22855P	781P	2794P	4527N	317P	11752P	101
	16	39	538P	9520P	8892N	2791N	4284N	4259N	7098P	3070N	101
	16	40	7608P	4166P	2085N	1161P	1240N	5633N	2296N	3070P	101
	16	41	5213P	8163P	1796P	3165P	8312N	11325N	390P	910N	101
	16	42	520P	3268P	9331P	4036N	1846N	373P	3704P	910P	101
	16	43	8298P	4220P	2207N	1697N	7715N	3719P	1138P	910P	101
	16	44	3304N	4456P	4979N	446P	2941P	1877P	2615N	1178N	101
	16	45	11599P	2609N	4035N	692P	2278P	2215P	11698N	1558N	101

TABLE 2 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
16	46	212P	2108P	3842P	2375P	3646N	1318P	15768N	9559N	101
16	47	6259N	4602P	2200P	4127P	544P	1060P	10325N	4051N	101
16	48	560P	1567P	3508P	3335N	1471P	11027N	2041P	5215N	101
16	49	8335N	8475P	5427N	3179N	4686P	4994P	1431N	217N	101
16	50	9020N	525P	8915P	591N	4155N	4665N	11381N	20372N	101
16	51	10774P	3408N	3564P	3441N	3202N	3419N	4774N	3906N	101
16	52	17602P	1776N	5939P	4676N	1494N	2854N	3624P	3906P	101
16	53	389P	2798P	1222P	1396N	111N	5800N	5958P	3906P	101
16	54	1088P	936P	6594N	2526N	6171N	9532N	2945N	25744N	101
16	55	4317P	1302N	2142N	9353N	11896N	3796N	248N	24420N	101
16	56	3266N	8229P	3738P	1195N	3903N	3159N	5580N	5136N	101
16	57	280P	2380N	6040P	7780N	8900N	7980N	6230N	26950N	101
16	58	9070P	3070P	8360P	3020N	3750N	5110N	7940N	26950P	101
16	59	12770P	80P	550P	1060P	80N	6860N	6587P	26950P	101
16	60	4522N	8332P	176N	1018N	6284N	3074P	1928P	26950P	101
16	61	1130P	800N	1515N	2457P	2877N	3889N	5235N	10729N	101
16	62	11888P	187P	902N	3327P	601P	286P	5715N	10729P	101
	TOT	143260P	91195P	76307P	6381N	119969N	147199N	153347N	116134N	101
	AVE	3673P	2338P	1957P	163N	3075N	3773N	3931N	2977N	101

TABLE 2 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
STORAGE CHANGE	17	24	P	P	P	P	P	P	P	10729P	102
BUCKS LAKE	17	25	P	P	P	P	P	P	P	10729P	102
IN ACRE-FEET	17	26	P	P	P	P	P	P	P	10729P	102
	17	27	P	8414P	1380N	4148N	289N	334P	405P	10729P	102
	17	28	14030P	13923P	2211P	1158N	12252N	10050N	12400N	5696N	102
	17	29	4497P	11205P	5127P	4332N	8316N	7057N	4101N	2977N	102
	17	30	15234P	15067P	1679P	9254N	11746N	12250N	11997N	13267N	102
	17	31	5500P	4210P	1210P	970N	600N	350N	1436P	13267P	102
	17	32	10023P	22897P	11863P	1107P	257P	86P	2N	13267P	102
	17	33	6650P	9840P	10350P	2080N	8100N	170N	3490N	13267P	102
	17	34	3803P	3354N	2508N	12358N	12905N	7515N	154N	34991N	102
	17	35	2904P	21324P	2372P	824N	6402N	3801N	1924N	34991P	102
	17	36	14611P	2195P	1191N	3634N	9300N	10312N	13466N	21097N	102
	17	37	2288P	22368P	5074P	4266N	3488N	7349N	13926N	21097P	102
	17	38	3140N	26389P	3763P	2850N	7128N	6066N	2899N	21097P	102
	17	39	10000P	6200P	1200P	P	4300N	7800N	4000N	21097P	102
	17	40	1400N	400N	2300N	6300N	6000N	6500N	7100N	30000N	102
	17	41	P	20300P	1100N	2200N	6300N	3500N	5500N	30000P	102
	17	42	500P	16700P	4200P	1000N	7700N	6500N	4500N	30000P	102
	17	43	5300P	7500P	900N	3200N	4500N	800N	1800N	30000P	102
	17	44	4000N	16500P	8400P	2200N	3400N	7700N	4100N	30000P	102
	17	45	4700P	12200P	800N	7900N	9100N	7700N	5600N	14200N	102

TABLE 2 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
17	46	10700P	17800P	1200N	4900N	11000N	11600N	9300N	9500N	102
17	47	9100P	2100P	600N	9000N	11300N	7700N	900P	16500N	102
17	48	12500P	20600P	11200P	3600N	10900N	6900N	3900N	16500P	102
17	49	6100P	17400P	1500P	2400N	1400N	1900N	3800N	16500P	102
17	50	13200P	22800P	5800P	3600N	10800N	8600N	2300N	16500P	102
17	51	11600P	7500P	6800N	9100N	8700N	7200N	2500N	15200N	102
17	52	1600P	32400P	12600P	6200N	14900N	12800N	10000N	15200P	102
17	53	12200P	15500P	4400P	6100N	14500N	14400N	13800N	16700N	102
17	54	18300P	11200P	2400N	12700N	15500N	8300N	13500N	22900N	102
17	55	6800P	14900P	3000P	6100N	13300N	400N	7000N	2100N	102
17	56	600P	32400P	8000P	13600N	15100N	14000N	11700N	13400N	102
17	57	10500P	17700P	5300P	7100N	15300N	12100N	2500N	3500N	102
17	58	400P	34700P	7000P	11800N	14800N	14300N	13300N	12100N	102
17	59	11400P	9800P	2300P	9900N	5900N	6500N	11800N	10600N	102
17	60	12400P	13500P	3000N	14700N	11500N	6600N	6300N	16200N	102
17	61	9200P	13400P	400P	14400N	11800N	100P	1300N	4400N	102
17	62	12400P	19600P	12100P	12400N	7500N	12800N	11200P	4400P	102
	TOT	250500P	536778P	106870P	215167N	315769N	251000N	196018N	83806N	102
	AVE	6423P	13764P	2740P	5516N	8096N	6435N	5025N	2148N	102

TABLE 2 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
EVAPORATION	16	24	11	31	16	700	992	472	129	2351	103
BUTT VALLEY RES	16	25	320	507	657	868	971	532	278	4133	103
IN ACRE-FEET	16	26	343	532	800	1085	1018	612	350	4740	103
	16	27	333	549	837	1078	1025	556	223	4601	103
	16	28	329	539	784	1071	1059	616	264	4662	103
	16	29	331	535	705	1029	1012	620	361	4593	103
	16	30	320	518	779	1043	1038	636	278	4612	103
	16	31	361	553	827	1085	1045	620	363	4854	103
	16	32	285	500	800	1008	965	448	338	4344	103
	16	33	237	413	700	931	985	608	271	4145	103
	16	34	251	269	673	1036	998	604	347	4178	103
	16	35	271	507	848	1092	1072	640	368	4798	103
	16	36	271	476	827	1092	690	412	251	4019	103
	16	37	186	381	779	1043	985	340	195	3909	103
	16	38	292	507	641	1113	1072	640	363	4628	103
	16	39	340	518	843	1043	971	556	285	4556	103
	16	40	340	549	848	1113	1072	632	352	4906	103
	16	41	313	507	821	1099	1072	608	304	4724	103
	16	42	338	518	806	1120	1052	620	359	4813	103
	16	43	340	553	848	1113	1059	596	354	4863	103
	16	44	361	539	837	1071	1032	628	366	4834	103
	16	45	338	556	832	1071	1032	624	363	4816	103

TABLE 2 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
16	46	347	528	811	1099	1072	624	361	4842	103
16	47	343	493	779	1043	1038	620	359	4675	103
16	48	356	546	832	1120	1052	636	338	4880	103
16	49	356	504	821	1036	965	604	359	4645	103
16	50	356	504	763	1085	1038	596	331	4673	103
16	51	329	546	806	1092	1018	592	331	4714	103
16	52	278	542	811	1113	1032	612	343	4731	103
16	53	356	546	837	1120	1059	632	350	4900	103
16	54	354	542	827	1043	971	532	237	4506	103
16	55	356	560	843	1092	971	460	237	4519	103
16	56	350	514	832	1120	1065	620	350	4851	103
16	57	361	549	821	1120	1025	564	271	4711	103
16	58	304	518	806	1120	1059	616	340	4763	103
16	59	324	549	832	1099	1059	632	347	4842	103
16	60	359	532	848	1120	1065	640	359	4923	103
16	61	359	549	832	1085	1059	620	347	4851	103
16	62	361	553	827	1113	1072	640	354	4920	103
	TOT	12360	19632	30436	41524	39837	22860	12376	179025	103
	AVE	317	503	780	1065	1021	586	317	4590	103

TABLE 2 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
EVAPORATION	17	24									104
BUCKS LAKE	17	25									104
IN ACRE-FEET	17	26									104
	17	27		262	307	231	221	132	80	1233	104
	17	28	350	563	864	1127	1025	604	294	4827	104
	17	29	239	420	678	840	744	396	225	3542	104
	17	30	363	584	885	1057	1025	568	294	4776	104
	17	31	264	416	631	833	797	476	276	3693	104
	17	32	322	528	906	1183	1132	676	389	5136	104
	17	33	368	584	912	1197	1119	668	382	5230	104
	17	34	414	591	938	1183	1072	612	352	5162	104
	17	35	382	626	959	1260	1186	700	400	5513	104
	17	36	414	637	959	1246	1166	668	363	5453	104
	17	37	377	619	959	1246	1186	692	373	5452	104
	17	38	377	630	970	1260	1186	696	396	5515	104
	17	39	379	591	906	1197	1119	644	368	5204	104
	17	40	419	637	954	1239	1166	672	375	5462	104
	17	41	393	637	959	1260	1179	700	396	5524	104
	17	42	389	626	959	1260	1179	692	393	5498	104
	17	43	405	637	959	1253	1179	704	405	5542	104
	17	44	368	598	933	1225	1166	668	375	5333	104
	17	45	398	637	959	1232	1132	656	370	5384	104

TABLE 2 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
17	46	393	637	959	1246	1132	652	361	5380	104
17	47	407	626	949	1204	1119	640	370	5315	104
17	48	370	605	959	1253	1159	672	377	5395	104
17	49	363	598	906	1197	1132	668	375	5239	104
17	50	375	619	959	1253	1159	668	377	5410	104
17	51	407	633	938	1211	1119	644	368	5320	104
17	52	350	612	959	1246	1132	644	350	5293	104
17	53	389	626	959	1246	1132	644	347	5343	104
17	54	400	630	949	1211	1079	612	345	5226	104
17	55	343	532	811	1064	925	552	281	4508	104
17	56	350	616	954	1211	1085	608	317	5141	104
17	57	361	602	922	1190	1052	600	331	5058	104
17	58	350	616	954	1218	1092	608	320	5158	104
17	59	361	574	875	1099	1038	644	317	4908	104
17	60	370	602	906	1092	1005	560	310	4845	104
17	61	350	567	859	1064	931	556	317	4644	104
17	62	370	602	959	1204	1139	568	324	5166	104
	TOT	12930	21120	32374	41538	38409	22164	12293	180828	104
	AVE	332	542	830	1065	985	568	315	4637	104

TABLE 3

MODIFIED STREAMFLOWS

Table 3 contains 30 pages. The first two pages list the following data:

Column 1: The identification number of each modified flow.

Column 2: The name of the station.

Column 3: The derivation formulae. These formulae are expressed in terms of the identification numbers of the historic streamflows and the modifications. The algebraic signs (+) (-) indicate how the modifications were applied to the historic flows to derive the modified flows.

The remaining pages tabulate the monthly and seasonal totals of modified flow at each station. The first column is the reach number to which the modified flow applies. The second column is the year of record and the last column is the identification number.

TABLE 3

MODIFIED STREAMFLOWS

Identification Number (a)	Station	Derivation Formulae Identification Numbers from Tables 1 & 2
21	Feather River at Nicolaus	21 = + 1 + 67 + 68 + 72 + 74 + 83 + 84 + 85 - 90 - 91 + 93 + 94 + 95 + 96 + 101 + 102 + 103 + 104
22	Bear River at Wheatland	22 = + 2 + 96
23	Yuba River near Smartville	Equal to historic (3)
25	Feather River above Jack Slough	25 = + 4 + 67 + 68 + 72 + 74 + 83 + 84 + 85 + 89 - 90 - 91 + 101 + 102 + 103 + 104
27	Feather River near Oroville	27 = + 7 + 67 + 68 + 72 + 74 + 83 + 84 + 85 + 101 + 102 + 103 + 104
30	West Branch Feather River near Yankee Hill	30 = + 10 + 67 + 68
31	North Fork Feather River near Prattville	31 = + 11 + 72 + 74
32	South Fork Feather River at Enterprise	32 = + 12 + 83 + 84 + 85
33	South Fork Feather River near LaPorte	Equal to historic (13)
34	Lost Creek near Clipper Mills	34 = + 14 + 84 + 85

TABLE 3 (Continued)

Identification Number (a)	Station	Derivation Formulae Identification Numbers from Tables 1 & 2
35	Butt Creek near Caribou	Equals 1.24 x runoff above Almanor-Butt Creek Tunnel
36	Bucks Creek at Bucks Lake	Equals historic increase in storage in Bucks Lake Reservoir USGS-WSP
37	Middle Fork Feather River near Nelson Point	Equal to historic (17)
38	Middle Fork Feather River near Clio	Equal to historic (18)

(a) Identification numbering of modified streamflows begins with Number 21. Numbers not included in sequence were reserved for flows that were not used.

TABLE 3 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
MODIFIED FLOW OF	5	24	299583	143542	59832	50019	54409	50581	98751	756717	21
THE FEATHER RIVER	5	25	969133	793064	302697	150884	83977	82359	101383	2483497	21
AT NICOLAUS	5	26	1457172	509593	160057	96620	82587	66150	99468	2471647	21
IN ACRE-FEET	5	27	1654965	1242220	693527	216352	114095	95237	119332	4135728	21
	5	28	1230614	742227	209703	138517	94906	83237	91936	2591140	21
	5	29	456596	487073	265672	99889	76103	67924	81174	1534431	21
	5	30	975929	712089	299767	124701	107266	89733	118998	2428483	21
	5	31	311472	203326	108863	64861	53158	51454	98046	891180	21
	5	32	934364	1115897	615120	157983	95334	69746	85635	3074079	21
	5	33	530599	592186	488929	119691	75247	61987	84459	1953098	21
	5	34	430557	217505	117948	73163	57839	47215	65670	1009897	21
	5	35	2110748	1409081	619864	170167	106897	85945	114425	4617127	21
	5	36	1224779	930755	490388	159504	100928	82899	95459	3084712	21
	5	37	1126971	1215990	475357	157653	99053	71716	107319	3254059	21
	5	38	2135050	2454867	1298060	363869	170252	126513	166987	6715598	21
	5	39	566352	269208	128634	85948	65165	64482	81453	1261242	21
	5	40	1522797	850359	310748	142567	104968	101965	110726	3144130	21
	5	41	1336040	1624340	679245	323189	155981	120813	122038	4361646	21
	5	42	1563827	1380269	987822	314485	161473	115526	122358	4645760	21
	5	43	1412104	830045	469128	206338	133452	112400	137079	3300546	21
	5	44	668936	847781	367181	154842	102432	82915	106614	2330701	21
	5	45	813523	965396	428117	167724	127721	97332	127135	2726948	21

TABLE 3 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
5	46	989144	929821	333765	159353	117031	96224	104386	2729724	21
5	47	676512	300326	219688	105075	91786	76391	174506	1644284	21
5	48	1435874	1305792	822928	226788	125442	94681	102114	4113619	21
5	49	928969	773576	251223	113242	100799	68661	70622	2307092	21
5	50	1233525	1080253	514254	178195	113099	95419	183789	3398534	21
5	51	933135	885443	297888	154111	116713	103536	144274	2635100	21
5	52	2656383	2608075	1346890	515093	204524	158579	149679	7639223	21
5	53	1057571	1224574	973744	333254	169946	148511	160318	4067918	21
5	54	1408648	809334	310625	178962	136029	113486	101112	3058196	21
5	55	492338	792958	323295	147086	109831	81267	75468	2022243	21
5	56	1240611	1614433	818372	291544	178716	150942	162821	4457439	21
5	57	676492	1080206	478716	181114	130082	115941	342571	3005122	21
5	58	2054372	1983042	1052173	313654	194185	148416	135428	5881270	21
5	59	593456	413686	185479	122737	95060	98630	86179	1595227	21
5	60	755401	569652	304293	136641	96777	83970	80040	2026774	21
5	61	573043	550905	291000	118191	84730	78854	72317	1769040	21
5	62	1175239	814420	439374	158493	110935	92090	1508827	4299378	21
	TOT	42612824	37273309	18540366	6972499	4398928	3633727	5990896	119422549	21
	AVE	1092637	955726	475394	178782	112793	93172	153613	3062117	21

TABLE 3 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
MODIFIED FLOW OF	6	24	3050	331	411	178	172	165	1680	5987	22
THE BEAR RIVER	6	25	51000	17800	9100	5660	4040	1806	1720	91126	22
NEAR WHEATLAND	6	26	67200	16200	1890	1160	3920	2870	1180	94420	22
IN ACRE-FEET	6	27	88100	5720	3120	4750	4890	7320	8060	121960	22
	6	28	41900	4100	1300	4200	5200	12200	6550	75450	22
	6	29	9030	2790	3130	2110	4940	12900	10740	45640	22
	6	30	33480	13450	11430	3710	9540	6000	19940	97550	22
	6	31	1710	1038	1448	1762	871	489	1070	8388	22
	6	32	33880	32450	15530	1461	819	1191	4400	89731	22
	6	33	2360	5630	1811	1250	639	1352	5530	18572	22
	6	34	14380	3450	1073	1115	622	537	721	21898	22
	6	35	116080	24880	8640	2430	9620	13180	13860	188690	22
	6	36	56020	23430	9240	1617	1388	1490	1900	95085	22
	6	37	49880	11900	1330	1213	684	516	1920	67443	22
	6	38	83680	34700	1811	1357	833	638	7980	130999	22
	6	39	4370	696	1115	1100	540	418	944	9183	22
	6	40	65120	5650	1209	1392	769	747	1039	75926	22
	6	41	85390	33840	12080	1822	1371	1050	2700	138253	22
	6	42	95620	58260	15430	3700	1960	1940	1410	178320	22
	6	43	40810	21950	11030	3250	2290	700	1830	81860	22
	6	44	17480	10200	5220	1474	834	567	581	36356	22
	6	45	46460	13730	8070	1621	1273	1219	3440	75813	22

TABLE 3 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
6	46	33200	21840	9060	1648	759	581	2730	69818	22
6	47	26940	4610	1239	1186	590	476	4010	39051	22
6	48	88300	45580	13770	1720	663	887	3000	153920	22
6	49	36370	12430	2460	1126	615	785	898	54684	22
6	50	41340	12800	3740	1895	1212	1390	3380	65757	22
6	51	43430	25430	3510	1414	934	1450	3100	79268	22
6	52	74330	30750	8750	4410	1680	2670	1208	123798	22
6	53	48730	28630	8640	1643	1463	1720	4920	95746	22
6	54	41030	9112	1717	1531	929	920	1000	56239	22
6	55	6330	14979	2792	1412	676	622	2349	29160	22
6	56	27068	32638	3654	1415	920	1152	5042	71889	22
6	57	27089	51022	4934	1275	744	623	3249	88936	22
6	58	152100	23346	8290	3166	1897	1616	2150	192565	22
6	59	837	1366	1838	1815	1081	1097	2270	10304	22
6	60	18350	9369	3161	2441	1048	1021	1022	36412	22
6	61	6310	4454	2987	2414	1320	1357	1796	20638	22
6	62	24061	8849	2964	3268	2630	599	82940	125311	22
	TOT	1702815	679400	208924	82111	76376	88261	224259	3062146	22
	AVE	43662	17421	5357	2105	1958	2263	5750	78517	22

TABLE 3 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
MODIFIED FLOW OF	8	24	88700	45800	10800	9160	6030	13800	28000	202290	23
THE YUBA RIVER	8	25	338000	356000	99400	39200	20600	16400	17600	887200	23
NEAR SMARTVILLE	8	26	403000	182000	58600	17200	15000	8930	22300	707030	23
IN ACRE-FEET	8	27	569000	488000	306000	53400	20700	16200	17000	1470300	23
	8	28	420000	315000	79100	33600	20400	14200	16700	899000	23
	8	29	129000	154000	76800	20900	16200	8810	11400	417110	23
	8	30	252000	186000	82100	21300	17200	15500	14900	589000	23
	8	31	70200	48800	20800	9350	8610	8690	12900	179350	23
	8	32	255000	424000	255000	37100	15600	12700	16700	1016100	23
	8	33	145000	194000	170000	25800	15700	11900	14000	576400	23
	8	34	109000	54500	22800	13600	10100	9940	12040	231980	23
	8	35	572900	450000	226500	37010	17180	15730	21410	1340730	23
	8	36	403500	398200	192200	35880	18780	17270	18010	1083840	23
	8	37	331200	430300	165400	33280	16960	15460	20550	1013150	23
	8	38	521500	727000	473500	86680	29450	20350	30040	1888520	23
	8	39	161300	65760	26310	14630	12140	12130	15960	308230	23
	8	40	442800	365300	95710	23950	17380	21050	20500	986690	23
	8	41	351500	559300	189100	96220	26780	20610	21232	1264742	23
	8	42	466680	488160	364360	85240	34081	25282	24434	1488237	23
	8	43	434290	285130	154700	45664	29129	30290	39741	1018944	23
	8	44	160330	258290	108050	38654	20175	18505	29191	633195	23
	8	45	233880	340370	154120	43255	36292	31711	26410	866038	23

TABLE 3 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
8	46	319880	347620	112390	45892	35817	28828	25380	915807	23
8	47	185240	95109	58780	28438	27469	23589	29560	448185	23
8	48	409380	403410	260800	49041	25780	28744	16715	1193870	23
8	49	299430	263789	75013	28847	23236	16955	14849	722119	23
8	50	368710	389920	181461	46702	27792	28008	27001	1069594	23
8	51	279500	310530	86286	37121	32803	31486	35650	813376	23
8	52	585430	827030	516768	183719	49480	41948	40979	2245354	23
8	53	298230	338300	360980	99991	43746	40369	38200	1219816	23
8	54	374410	230060	73718	44417	40657	22384	14736	800382	23
8	55	133950	250700	101002	43452	39127	15690	13833	597754	23
8	56	239120	515940	270369	58589	43582	35333	35410	1198343	23
8	57	170490	398810	169870	44826	37608	29284	30450	881338	23
8	58	529980	671440	366650	68321	42314	38932	29042	1746679	23
8	59	140260	94460	40374	27162	27391	22594	13046	365287	23
8	60	222890	172190	91975	31295	31267	27472	13754	590843	23
8	61	141950	148496	66412	30510	28894	17350	16392	450004	23
8	62	323150	249790	150842	35265	31276	27260	306740	1124323	23
	TOT	11880780	12523504	6315040	1724661	1012726	841684	1152755	35451150	23
	AVE	304635	321115	161924	44222	25967	21582	29558	909004	23

TABLE 3 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
MODIFIED FLOW OF	9	24	114012	76954	61315	47323	50749	44475	79342	474170	25
THE FEATHER RIVER	9	25	532725	418751	188937	99574	77122	76422	87440	1480971	25
ABOVE JACK SLOUGH	9	26	987938	295675	120395	78703	63537	60814	80309	1687371	25
IN ACRE-FEET	9	27	999822	785046	370125	134526	78684	68882	76421	2513506	25
	9	28	739240	412847	142883	101113	65892	57594	62843	1582412	25
	9	29	240504	332125	179108	83451	53022	45461	51806	985477	25
	9	30	649386	449670	188081	96650	72064	63718	68798	1588367	25
	9	31	143182	115809	88082	54518	45838	43272	80295	570996	25
	9	32	599846	704508	317896	105872	68327	54666	61666	1912781	25
	9	33	309292	393067	283001	89010	55865	50868	66858	1247961	25
	9	34	224292	123967	97344	62658	50509	42736	57861	659367	25
	9	35	1481742	1010146	373228	123520	74712	60333	73370	3197051	25
	9	36	736806	521437	273545	120997	75208	67489	60466	1855948	25
	9	37	720472	815961	300880	114510	71130	57763	76038	2156754	25
	9	38	1612303	1880985	798630	258183	121389	94564	110994	4877048	25
	9	39	322149	162865	102475	71239	55864	54295	67340	836227	25
	9	40	1033505	489205	198743	109216	80877	77673	94793	2084012	25
	9	41	898055	1157068	442323	205240	120921	97745	96910	3018262	25
	9	42	1143094	1009309	619477	224782	123369	95872	94968	3310871	25
	9	43	937451	526520	319235	150822	101178	82209	89560	2206975	25
	9	44	471452	618935	258135	120784	75815	61785	78209	1685115	25
	9	45	516982	637347	270782	126452	90826	65524	88866	1796779	25

TABLE 3 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
9	46	686666	560729	213632	112315	82031	70678	75350	1801401	25
9	47	481904	226700	168467	79931	65912	53620	129873	1206407	25
9	48	947071	862208	537516	164790	98002	65628	72212	2747427	25
9	49	626264	501293	156952	86452	78841	53548	57713	1561063	25
9	50	794607	672634	307975	125943	83765	64884	162573	2212381	25
9	51	604475	528650	208659	114401	87264	76197	113588	1733234	25
9	52	2065596	1905388	791457	328466	153674	130326	118967	5493874	25
9	53	698335	824510	627971	242903	120277	99153	126604	2739753	25
9	54	1007925	567745	229009	120272	82504	83603	75928	2166986	25
9	55	357467	554391	222100	97429	68928	63367	61081	1424763	25
9	56	882401	1113639	491674	206600	127071	103276	130990	3055651	25
9	57	456419	706639	266186	117047	83153	78910	138978	1847332	25
9	58	1333463	1367460	646588	248014	141748	104710	100765	3942748	25
9	59	434842	297649	135970	90365	64942	71717	59140	1154625	25
9	60	496550	371877	196587	95461	59292	59345	65429	1344541	25
9	61	412003	424367	222029	81185	57477	60405	60393	1317859	25
9	62	805855	540323	272598	121154	73071	63070	886674	2762745	25
	TOT	28506093	24964399	11689990	5011871	3200850	2726597	4141411	80241211	25
	AVE	730925	640113	299743	128510	82073	69913	106190	2057467	25

TABLE 3 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
MODIFIED FLOW OF	10	24	158202	88824	53747	47711	50954	47961	84138	531537	27
THE FEATHER RIVER	10	25	531597	409028	178349	94854	79151	79870	92890	1465739	27
AT OROVILLE	10	26	860197	303074	112179	76166	65225	64241	85666	1566748	27
IN ACRE-FEET	10	27	929412	732129	355840	130155	80421	71335	82728	2382020	27
	10	28	720530	413301	134364	96327	67474	60951	67566	1560513	27
	10	29	269207	330576	168760	76768	55921	48848	57884	1007964	27
	10	30	641814	440518	177687	90898	74305	67100	75322	1567644	27
	10	31	189841	139636	80161	53755	47129	46580	84277	641379	27
	10	32	596786	664480	304416	100271	69982	58146	64171	1858252	27
	10	33	333940	390933	270590	86143	57460	54342	71480	1264888	27
	10	34	257725	149551	88798	58854	52382	46187	61995	715492	27
	10	35	1375119	922086	355669	115521	77382	63769	78451	2987997	27
	10	36	717067	498515	259518	112163	77887	70892	65439	1801481	27
	10	37	697612	762487	287498	108742	72462	61220	81928	2071949	27
	10	38	1483373	1677783	768446	239155	123957	97979	116562	4507255	27
	10	39	351350	190865	94614	69694	57779	57726	71740	893768	27
	10	40	967391	469002	187664	105003	82814	81074	101426	1994374	27
	10	41	851288	1046860	423043	191539	123127	101191	102042	2839090	27
	10	42	1073211	916067	596016	210477	125245	99294	101680	3121990	27
	10	43	889226	505168	305211	147466	102648	85687	94811	2130217	27
	10	44	475376	590555	247578	112662	81610	66129	79997	1653907	27
	10	45	517945	609181	258953	121031	91697	75329	122023	1796159	27

TABLE 3 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
10	46	659983	534909	200004	115807	89762	76144	85297	1761906	27
10	47	415634	198366	154310	80118	67769	59231	142046	1117474	27
10	48	922660	830768	511051	154518	94410	68916	77612	2659935	27
10	49	623867	492836	155665	83561	79332	52030	56105	1543396	27
10	50	831610	687488	292562	119977	84011	93516	176529	2285693	27
10	51	594013	535079	201284	111268	85391	71060	109278	1707373	27
10	52	1821849	1667171	773546	300390	144896	109925	102249	4920026	27
10	53	733811	793340	587759	218974	124708	105554	112611	2676757	27
10	54	1013684	536827	224624	125841	93008	90163	86439	2170586	27
10	55	346065	518860	205617	97951	71239	69983	71380	1381095	27
10	56	901986	1066799	481094	201796	130127	110319	148287	3040408	27
10	57	439814	644790	262788	118246	86693	90124	152439	1794894	27
10	58	1150676	1257419	637882	239396	145670	109727	106393	3647163	27
10	59	426105	293753	135978	98856	72316	76493	76859	1180360	27
10	60	498188	370359	190358	95400	65895	59366	71296	1350862	27
10	61	389565	397673	207840	89046	72735	61480	67133	1285472	27
10	62	816376	544055	285405	125460	79422	64270	816802	2731790	27
	TOT	27474095	23621111	11216868	4821960	3304396	2874152	4302971	77615553	27
	AVE	704464	605670	287612	123640	84728	73696	110333	1990142	27

TABLE 3 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
MODIFIED FLOW OF	11	24	26463	14528	4268	3073	2929	3390	4812	59463	30
THE WEST BRANCH	11	25	41389	32368	12316	4885	3488	3784	4760	102990	30
FEATHER RIVER	11	26	57430	29627	10331	5069	3934	4014	4086	114491	30
NEAR YANKEE HILL	11	27	59255	50984	28625	9615	6238	5361	8404	168482	30
IN ACRE-FEET	11	28	50130	35337	11099	6039	4022	4122	4700	115449	30
	11	29	29575	26543	11170	4887	3040	3851	3556	82622	30
	11	30	46672	35223	13616	5245	3688	3882	3545	111871	30
	11	31	14161	8713	4969	2324	2139	2251	6861	41418	30
	11	32	44591	51817	22564	6217	3199	2654	5324	136366	30
	11	33	26686	34620	20521	5032	4162	6907	4659	102587	30
	11	34	21943	12647	5912	3438	2797	2848	3954	53539	30
	11	35	100165	71272	27980	7002	4135	3601	5797	219952	30
	11	36	49124	36979	15110	6601	4283	4494	3690	120281	30
	11	37	52102	69552	29536	7338	3692	3223	5078	170521	30
	11	38	77953	98462	52468	13357	5886	4606	6826	259558	30
	11	39	29846	16256	5959	3682	2373	2535	4184	64835	30
	11	40	58451	27775	10527	4915	3647	3647	5865	114827	30
	11	41	82162	77568	33397	12495	6232	5197	6028	223079	30
	11	42	71853	65856	41725	13478	6630	5177	4977	209696	30
	11	43	59255	35165	21861	8170	5449	4297	4696	138893	30
	11	44	32463	48376	22169	7351	4345	3650	5286	123640	30
	11	45	40286	42356	18083	6763	4947	4021	8101	124557	30

TABLE 3 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
11	46	41049	33750	12097	6334	4509	4432	5464	107635	30
11	47	37920	14420	12406	5122	3884	3434	14159	91345	30
11	48	80524	69312	42173	11070	5741	5938	4749	219507	30
11	49	48158	39715	12281	4992	3355	2972	3279	114752	30
11	50	58934	49098	20041	6515	4015	4159	16253	159015	30
11	51	42302	37658	12646	6064	4473	2337	6927	112407	30
11	52	85349	100631	46743	17225	8096	5913	8881	272838	30
11	53	59939	58749	47479	16102	8167	6333	7698	204467	30
11	54	90013	44058	16215	6124	4381	4349	4821	169961	30
11	55	27172	42329	17137	5828	3763	3429	4173	103831	30
11	56	43950	66060	31740	10470	4749	4478	7490	168937	30
11	57	37890	60600	18310	6398	4164	5413	9830	142605	30
11	58	82973	83528	56383	14728	7478	6266	2374	253730	30
11	59	37021	27010	10905	6205	3679	4344	3205	92369	30
11	60	38478	30054	15113	6387	4611	1153	4885	100681	30
11	61	35278	32475	15406	8490	1602	2836	2575	98662	30
11	62	53461	43571	23134	15553	3600	2544	59473	201336	30
	TOT	1972366	1755042	834415	300583	171522	157842	281425	5473195	30
	AVE	50573	45001	21395	7707	4398	4047	7216	140338	30

TABLE 3 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
MODIFIED FLOW OF	12	24	33470	27650	22460	26580	25670	26320	34560	196710	31
THE NORTH FORK	12	25	69460	66100	42650	33800	36550	33930	34760	317250	31
FEATHER RIVER	12	26	100400	61250	32840	30070	31770	29740	31600	317670	31
NEAR PRATTVILLE	12	27	92170	116130	76470	45390	36930	32560	32490	432140	31
IN ACRE-FEET	12	28	90700	86770	38120	38110	32920	30220	28650	345490	31
	12	29	44790	53390	41800	28960	27020	25550	25480	246990	31
	12	30	85550	72840	41950	34650	36550	33950	34821	340311	31
	12	31	41705	35763	28321	26827	24396	20840	32226	210078	31
	12	32	65062	84559	51310	32418	30769	23886	27969	315973	31
	12	33	46734	58054	52074	30680	26752	24505	28240	267039	31
	12	34	48147	36827	31860	25528	24914	20929	25565	213770	31
	12	35	134784	134059	60757	33961	28902	26392	28511	447366	31
	12	36	95109	85098	52635	36384	36493	32919	29729	368367	31
	12	37	79753	106335	48472	34904	29683	26986	36514	362647	31
	12	38	167563	245231	148187	71604	48488	40348	44199	765620	31
	12	39	57070	45860	31920	32580	29760	30510	31230	258930	31
	12	40	122280	99490	52970	39590	38380	34600	41330	428640	31
	12	41	85100	189370	95070	65260	50900	41210	40490	567400	31
	12	42	135430	134560	109640	59010	47110	40360	41820	567930	31
	12	43	129070	103660	82480	54760	44130	38390	39450	491940	31
	12	44	71260	81230	53490	40400	35510	30540	34100	346530	31
	12	45	61260	106340	59450	40230	36360	31130	44260	379030	31

TABLE 3 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
12	46	89760	99720	53990	44180	40260	35240	36570	399720	31
12	47	59470	48310	42020	31690	30710	27300	40810	280310	31
12	48	84870	114240	109390	50110	41250	26640	35240	461740	31
12	49	68480	75920	39820	34050	33020	31220	26580	309090	31
12	50	94590	109260	68260	44940	40570	36250	48300	442170	31
12	51	92630	96610	54770	42270	38640	32910	35620	393450	31
12	52	171530	219370	134460	80570	55410	50990	41480	753810	31
12	53	99750	127390	106210	66270	51040	46180	47610	544450	31
12	54	141960	109600	67860	53400	44100	40570	40820	498310	31
12	55	50860	67830	48670	37240	33780	30700	32200	301280	31
12	56	155180	198170	119980	71900	55200	48210	53210	701850	31
12	57	67413	102140	60850	42710	38670	36390	40480	388653	31
12	58	117930	204920	140003	79845	60398	47598	47598	698292	31
12	59	62806	59905	42941	43500	32068	35236	32527	308983	31
12	60	62558	71663	52677	35517	29598	25194	25900	303107	31
12	61	64087	81982	60137	29557	33363	27130	29417	325673	31
12	62	96052	91112	52577	37657	34463	24040	88907	424808	31
	TOT	3436793	3908708	2509541	1687102	1452497	1277613	1451263	15723517	31
	AVE	88123	100223	64347	43259	37244	32759	37212	403167	31

TABLE 3 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
MODIFIED FLOW OF	13	24	10562	4536	1878	1236	1799	1142	2536	23689	32
THE SOUTH FORK	13	25	48044	33780	9398	3685	2565	2626	2734	102832	32
FEATHER RIVER	13	26	57289	14223	4795	2011	1468	1860	3094	84740	32
AT ENTERPRISE	13	27	60850	42160	15871	5139	3050	2319	3129	132518	32
IN ACRE-FEET	13	28	46397	19990	6710	5095	2701	2319	2652	85864	32
	13	29	20711	24797	9152	3529	1934	1707	1964	63794	32
	13	30	43300	26192	8700	3906	2734	2374	2732	89938	32
	13	31	11926	6610	3650	1797	1806	1393	3266	30448	32
	13	32	43137	51986	19800	4970	2832	2095	2045	126865	32
	13	33	22833	28561	18220	3763	2112	1793	2931	80213	32
	13	34	14854	7930	3840	2347	1597	1498	2334	34400	32
	13	35	92312	56629	16690	4866	2753	2396	2952	178598	32
	13	36	53449	31979	14570	5600	3326	2850	2676	114450	32
	13	37	47498	65420	18850	5620	3251	2826	3389	146854	32
	13	38	74230	90627	42972	9860	4788	3802	4450	230729	32
	13	39	28207	11380	4830	2779	1927	2742	2987	54852	32
	13	40	49203	16175	7140	4606	3137	2878	3495	86634	32
	13	41	62807	68075	19270	7900	4970	3820	4004	170846	32
	13	42	61251	52209	27105	8485	5223	3834	3774	161881	32
	13	43	49288	24483	13410	5807	3937	3381	3496	103802	32
	13	44	27308	42556	13278	4236	3072	2717	2346	95513	32
	13	45	34994	41521	12294	5565	4829	1931	4897	106031	32

TABLE 3 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
13	46	41422	33636	8835	4972	3333	2450	2660	97308	32
13	47	27783	8445	6816	3635	2350	2128	6103	57260	32
13	48	67510	58858	26519	6260	4162	3299	2464	169072	32
13	49	49775	38504	8764	4259	2924	2262	2430	108918	32
13	50	57265	42832	13774	4831	2948	2682	7129	131461	32
13	51	43321	34600	9270	4810	3785	3051	5386	104223	32
13	52	88840	105812	47574	13432	5821	4543	4194	270216	32
13	53	46868	48991	33712	9012	4882	4102	4264	151831	32
13	54	71779	27541	8967	4967	3655	2882	2319	122110	32
13	55	24737	38861	9708	3869	2247	2232	2618	84272	32
13	56	46202	62410	16800	6060	4119	2903	6050	144544	32
13	57	30542	42019	12135	5176	3565	2823	5617	101877	32
13	58	76429	78427	28446	7775	4673	3141	3248	202139	32
13	59	29983	13905	4925	2988	2245	3049	2436	59531	32
13	60	34843	23126	9040	3744	2336	1866	1972	76927	32
13	61	28511	25030	8741	3472	2350	2229	1892	72225	32
13	62	19890	10980	5140	3804	2553	2663	42809	87839	32
	TOT	1746150	1455796	551589	195868	123759	102608	171474	4347244	32
	AVE	44773	37328	14143	5022	3173	2631	4397	111468	32

TABLE 3 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
MODIFIED FLOW OF	14	24	5848	3259	1237	245	129	77	129	10924	33
THE SOUTH FORK	14	25	17117	15601	3986	473	107	107	148	37539	33
FEATHER RIVER	14	26	21060	6776	2096	265	64	74	156	30491	33
NEAR LA PORTE	14	27	21629	19429	6722	659	134	89	127	48789	33
IN ACRE-FEET	14	28	12100	8240	869	181	78	69	88	21625	33
	14	29	6900	15900	4330	652	135	90	92	28099	33
	14	30	18000	11700	2520	304	105	102	133	32864	33
	14	31	6430	3010	821	146	65	62	407	10941	33
	14	32	14800	23600	9580	842	156	98	96	49172	33
	14	33	6310	11700	10100	719	105	63	202	29199	33
	14	34	6892	4771	2120	391	88	76	96	14434	33
	14	35	26499	21077	5710	506	105	78	158	54133	33
	14	36	19587	15201	6360	744	158	113	108	42271	33
	14	37	13333	23871	6321	574	116	91	150	44456	33
	14	38	23135	36617	15944	1102	190	140	261	77389	33
	14	39	11484	5898	2301	397	94	125	176	20475	33
	14	40	19758	8430	3412	665	163	125	174	32727	33
	14	41	21475	30183	7839	977	217	152	200	61043	33
	14	42	21544	23819	11360	1076	233	144	217	58393	33
	14	43	19057	12272	6184	818	193	144	164	38832	33
	14	44	8753	17699	5070	492	128	100	118	32360	33
	14	45	12447	19155	5213	709	215	75	260	38074	33

TABLE 3 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
14	46	15399	16199	3909	667	158	102	160	36594	33
14	47	11308	4459	3304	537	126	103	263	20100	33
14	48	19673	22238	9209	658	158	114	115	52165	33
14	49	15346	15389	3217	476	115	79	117	34739	33
14	50	18586	18029	5329	567	117	98	413	43139	33
14	51	17184	17784	4380	676	188	138	228	40578	33
14	52	26424	40795	16855	1436	219	152	207	86088	33
14	53	16416	22240	14065	1143	218	163	219	54464	33
14	54	24623	12249	3649	615	156	115	112	41519	33
14	55	8229	16785	3858	467	93	84	133	29649	33
14	56	17424	30514	7559	821	205	109	300	56932	33
14	57	10552	18818	4986	652	155	103	265	35531	33
14	58	13453	8916	2242	266	478	21	110	25486	33
14	59	4369	1150	135	7	1	48	10	5720	33
14	60	5561	2347	495	28	14	19	31	8495	33
14	61	5138	3029	556	21	11	42	56	8853	33
14	62	3469	1199	384	85	8	11	28	5184	33
	TOT	567312	590348	204227	22059	5398	3695	6427	1399466	33
	AVE	14546	15137	5237	566	138	95	165	35884	33

TABLE 3 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
MODIFIED FLOW OF	15	24	1979	1680	1102	899	772	481	1086	7999	34
LOST CREEK	15	25	12888	7634	2578	1668	1068	1165	1161	28162	34
NEAR CLIPPER MILLS	15	26	15579	2364	1675	1143	504	781	1298	23344	34
IN ACRE-FEET	15	27	16615	9891	3849	2124	1317	1011	1313	36120	34
	15	28	11963	4310	2342	2757	1152	972	1172	24668	34
	15	29	5464	4107	2179	1151	738	721	880	15240	34
	15	30	8620	5130	2292	1429	1150	990	1001	20612	34
	15	31	2278	1464	1352	715	440	591	1258	8098	34
	15	32	12756	10566	3890	1869	1115	865	862	31923	34
	15	33	7613	7820	3150	1414	788	793	1197	22775	34
	15	34	2830	2282	1489	1068	666	726	1072	10133	34
	15	35	25122	13885	3290	2036	1226	1001	1187	47747	34
	15	36	12919	5950	3620	2205	1374	1080	1173	28321	34
	15	37	13848	17250	4090	2179	1275	1127	1272	41041	34
	15	38	25240	27377	9020	3500	2067	1668	1957	70829	34
	15	39	6400	2252	1669	1262	812	1752	1522	15669	34
	15	40	13443	4495	2624	2287	1389	1259	1455	26952	34
	15	41	17804	15850	4910	2794	2081	1569	1744	46752	34
	15	42	16732	12599	6055	3174	2434	1770	1556	44320	34
	15	43	13250	5129	3366	2334	1773	1543	1450	28845	34
	15	44	6853	9998	3340	1841	1329	1210	1014	25585	34
	15	45	9090	9719	3147	2258	2523	816	1983	29536	34

TABLE 3 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
15	46	10961	7595	2468	2195	1463	1077	1133	26892	34
15	47	6991	1725	2072	1652	957	940	2441	16778	34
15	48	18554	14391	5940	2476	2034	1502	854	45751	34
15	49	15685	8214	2669	2220	1377	1076	1192	32433	34
15	50	15207	8472	3359	2348	1338	1252	2642	34618	34
15	51	10541	7630	2755	2346	2107	1637	2294	29310	34
15	52	24584	28382	11374	4302	2732	2318	2183	75875	34
15	53	13104	10901	6752	3732	2185	2058	1812	40544	34
15	54	16983	6011	3347	2062	1521	1176	759	31859	34
15	55	6262	9383	2727	1736	749	880	1179	22916	34
15	56	11102	12070	4150	2534	2064	1124	2496	35540	34
15	57	7099	9450	3920	2228	1620	947	2023	27287	34
15	58	20734	18017	5866	3029	2261	1359	1467	52733	34
15	59	6913	3375	1905	1447	1076	1382	1121	17219	34
15	60	7833	5156	2573	1761	979	784	743	19829	34
15	61	6866	5830	2761	1602	1015	1001	688	19763	34
15	62	13110	7010	2530	1880	809	1030	26090	52459	34
	TOT	471815	345364	138197	81657	54280	45434	79730	1216477	34
	AVE	12098	8855	3544	2094	1392	1165	2044	31192	34

TABLE 3 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
MODIFIED FLOW OF	16	24	2950	1000	360	310	330	520	1250	6720	35
BUTT CREEK	16	25	7750	4940	1450	560	510	780	1260	17250	35
ABOVE ALMANOR-	16	26	18240	5320	1080	410	270	450	1050	26820	35
BUTT CREEK TUNNEL	16	27	15290	10350	4740	1280	550	730	1050	33990	35
IN ACRE-FEET	16	28	10890	4720	1460	760	380	420	980	19610	35
	16	29	5580	4380	2410	530	200	410	620	14130	35
	16	30	12300	6220	1820	660	470	600	1280	23350	35
	16	31	3410	2810	760	310	210	300	710	8510	35
	16	32	10380	10020	3610	660	460	510	770	26410	35
	16	33	7480	7680	2810	620	290	330	810	20020	35
	16	34	3520	1880	880	310	150	210	470	7420	35
	16	35	26160	13000	3700	830	270	310	790	45060	35
	16	36	10240	5370	2540	660	320	460	1060	20650	35
	16	37	8100	12070	3430	1450	960	750	1560	28320	35
	16	38	22840	32060	12050	3770	2540	2130	2780	78170	35
	16	39	5420	2910	1600	1190	930	950	1450	14450	35
	16	40	13330	6980	2850	2010	1720	1860	2190	30940	35
	16	41	17100	23340	7590	3580	2680	2420	2600	59310	35
	16	42	18650	18650	11120	3830	2830	2260	2700	60040	35
	16	43	16170	8900	5340	2640	2280	2220	2750	40300	35
	16	44	8000	9110	3620	2020	1650	1540	2070	28010	35
	16	45	8260	9660	4170	1770	1600	1620	2680	29760	35

TABLE 3 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
16	46	10530	8320	3090	2060	1500	1550	1930	28980	35
16	47	6280	3090	1900	1210	1160	1100	1910	16650	35
16	48	11680	14750	8930	2650	1870	1600	1900	43380	35
16	49	11460	7520	2470	1640	1540	1530	1870	28030	35
16	50	14160	11640	4490	2270	1950	1980	3740	40230	35
16	51	11860	9400	3700	2370	2330	2530	4280	36470	35
16	52	30040	34190	13900	5290	3480	3370	3410	93680	35
16	53	16360	14970	10040	4350	3250	2850	3430	55250	35
16	54	19890	10480	4300	3000	2600	2550	2750	45570	35
16	55	6540	9160	2980	1910	1690	2000	2360	26640	35
16	56	19410	22110	8490	4140	3450	3420	1060	62080	35
16	57	8100	12070	3430	1450	960	750	3940	30700	35
16	58	17350	34670	11840	5120	3700	3350	3510	79540	35
16	59	8940	5740	3150	2210	2170	2340	2440	26990	35
16	60	9280	6800	3480	2190	1850	2010	2320	27930	35
16	61	7820	6680	3580	2050	2050	1870	2110	26160	35
16	62	16800	12050	5460	2370	1980	2030	9350	50040	35
	TOT	478560	425010	174620	76440	59130	58610	85190	1357560	35
	AVE	12271	10898	4477	1960	1516	1503	2184	34809	35

TABLE 3 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
MODIFIED FLOW OF	17	24									36
BUCKS CREEK	17	25									36
AT BUCKS LAKE	17	26									36
IN ACRE-FEET	17	27		8414				334	405	9153	36
STORAGE INCREASE ONLY	17	28	14030	13923	2211					30164	36
	17	29	4497	11205	5127					20829	36
	17	30	15234	15067	1679					31980	36
	17	31	5500	4210	1210				1436	12356	36
	17	32	10023	22897	11863	1107	257	86		46233	36
	17	33	6650	9840	10350					26840	36
	17	34	3803							3803	36
	17	35	2904	21324	2372					26600	36
	17	36	14611	2195						16806	36
	17	37	2288	22368	5074					29730	36
	17	38		26389	3763					30152	36
	17	39	10000	6200	1200					17400	36
	17	40									36
	17	41		20300						20300	36
	17	42	500	16700	4200					21400	36
	17	43	5300	7500						12800	36
	17	44		16500	8400					24900	36
	17	45	4700	12200						16900	36

TABLE 3 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
17	46	10700	17800						28500	36
17	47	9100	2100					900	12100	36
17	48	12500	20600	11200					44300	36
17	49	6100	17400	1500					25000	36
17	50	13200	22800	5800					41800	36
17	51	11600	7500						19100	36
17	52	1600	32400	12600					46600	36
17	53	12200	15500	4400					32100	36
17	54	18300	11200						29500	36
17	55	6800	14900	3000					24700	36
17	56	600	32400	8000					41000	36
17	57	10500	17700	5300					33500	36
17	58	400	34700	7000					42100	36
17	59	11400	9800	2300					23500	36
17	60	12400	13500						25900	36
17	61	9200	13400	400			100		23100	36
17	62	12400	19600	12100				11200	55300	36
	TOT	259040	540532	131049	1107	257	520	13941	946446	36
	AVE	6642	13860	3360	28	7	13	357	24268	36

TABLE 3 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
MODIFIED FLOW OF	18	24	17100	11200	4600	3000	2400	2700	5800	46800	37
THE MIDDLE FORK	18	25	60100	50400	17200	6900	5300	5300	6400	151600	37
FEATHER RIVER	18	26	89800	37800	9500	5400	4300	4000	5200	156000	37
NEAR NELSON POINT	18	27	144000	105000	57800	15200	8100	7100	7300	344500	37
IN ACRE-FEET	18	28	123000	53300	13200	6800	4600	4500	5500	210900	37
	18	29	29800	40400	19200	5900	3400	3100	3800	105600	37
	18	30	97000	60400	23600	8800	4800	4500	5400	204500	37
	18	31	24800	21300	7900	3600	2400	2500	5000	67500	37
	18	32	83900	86700	47700	11600	5100	4000	5500	244500	37
	18	33	37500	41400	18900	6500	3500	3000	4300	115100	37
	18	34	21200	14800	6500	3500	2200	1900	2900	53000	37
	18	35	225300	127000	52000	14200	7000	5200	6700	437400	37
	18	36	85100	54400	29800	8900	5600	5300	6200	195300	37
	18	37	97900	60900	25600	9000	5300	4400	5700	208800	37
	18	38	362300	355300	133700	32900	14300	9900	11600	920000	37
	18	39	30300	18900	8200	4100	2300	3000	4000	70800	37
	18	40	142000	72600	27000	10500	5100	4400	5800	267400	37
	18	41	69800	102000	47700	14100	7200	6500	7500	254800	37
	18	42	146700	94300	85800	20300	8800	7200	8000	371100	37
	18	43	120400	61700	34700	10800	6600	5700	7400	247300	37
	18	44	73000	66500	26900	7600	5000	4400	5800	189200	37
	18	45	72700	76000	36000	9000	5000	4600	8200	211500	37

TABLE 3 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
18	46	103600	62900	27300	7800	5300	4700	6100	217700	37
18	47	40800	23800	15500	4800	3900	3400	7400	99600	37
18	48	85900	64600	49400	10000	5000	4400	5400	224700	37
18	49	69700	48400	17500	4900	3900	3300	4200	151900	37
18	50	104200	74700	45900	10400	5400	5000	10500	256100	37
18	51	63600	62200	21600	6900	5500	4800	8100	172700	37
18	52	480000	269500	125700	39800	15900	10700	10800	952400	37
18	53	82200	82800	73700	20300	8300	6300	7600	281200	37
18	54	86000	47100	19900	6200	4300	4400	5600	173500	37
18	55	45700	61500	27000	8200	4200	3500	4400	154500	37
18	56	154800	144800	69100	19000	8700	6500	13400	416300	37
18	57	51900	71900	36000	8400	5700	5000	10300	189200	37
18	58	201600	181600	83300	18500	9600	7300	8600	510500	37
18	59	43200	28500	13700	4700	3300	4900	5400	103700	37
18	60	54900	32500	19800	5600	4000	3800	4900	125500	37
18	61	27200	28900	18000	4300	3400	3100	6500	91400	37
18	62	84000	58600	25100	8400	4900	4600	105500	291100	37
	TOT	3933000	2956600	1422000	406800	219600	188900	358700	9485600	37
	AVE	100846	75810	36462	10431	5631	4844	9197	243221	37

TABLE 3 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
MODIFIED FLOW OF	19	24	6800	3100	1500	800	600	600	1800	15200	38
THE MIDDLE FORK	19	25	24200	12900	4700	1200	1300	1400	1300	47000	38
FEATHER RIVER	19	26	21800	6800	1000	800	600	800	1300	33100	38
NEAR CLIO	19	27	78000	32800	11400	3100	1500	1900	2100	130800	38
IN ACRE-FEET	19	28	43300	12300	2700	1500	1100	1100	1400	63400	38
	19	29	12800	4300	2700	900	600	700	1200	23200	38
	19	30	42100	20600	3700	1100	800	900	1500	70700	38
	19	31	4300	3900	1500	700	500	600	1100	12600	38
	19	32	38900	16900	6500	2200	900	1000	1100	67500	38
	19	33	13500	11300	4200	1000	600	600	1100	32300	38
	19	34	5000	1400	800	500	500	500	1000	9700	38
	19	35	110800	31100	6400	1000	800	800	1400	152300	38
	19	36	37000	13000	7000	1300	1100	1300	1300	62000	38
	19	37	44800	15400	3400	1500	1000	900	1400	68400	38
	19	38	177100	118800	28900	6400	2400	2000	2900	338500	38
	19	39	10600	2400	800	600	500	700	1100	16700	38
	19	40	66500	17400	4000	1500	800	1000	1500	92700	38
	19	41	24700	24300	8900	3300	1500	1400	2100	66200	38
	19	42	80700	33400	16800	3700	1800	1700	1900	140000	38
	19	43	59800	18600	7600	2900	1400	1400	2000	93700	38
	19	44	43500	20600	3900	1400	1000	800	1400	72600	38
	19	45	32800	21600	7200	1900	900	1000	2100	67500	38

TABLE 3 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
19	46	56100	14500	3900	1300	800	1000	1600	79200	38
19	47	11300	3200	1600	600	600	700	1500	19500	38
19	48	37200	14500	8600	1500	900	800	1300	64800	38
19	49	30100	12100	2500	700	700	700	1000	47800	38
19	50	43900	20600	6300	1800	1100	1300	3800	78800	38
19	51	21500	21600	3100	1300	1500	1300	3600	53900	38
19	52	341600	129300	35600	11000	3900	2700	3400	527500	38
19	53	35800	32400	16300	3900	1600	1500	2100	93600	38
19	54	29600	8800	2700	1000	700	1000	1300	45100	38
19	55	17100	13600	3300	900	600	600	1000	37100	38
19	56	83000	55400	14800	4200	2300	1600	4000	165300	38
19	57	18600	21000	6500	1400	1800	1000	2900	53200	38
19	58	117900	69700	19900	4600	2500	1800	2600	219000	38
19	59	10200	7100	2400	400	300	1000	1300	22700	38
19	60	18000	4900	2000	900	600	700	900	28000	38
19	61	4900	4400	2700	600	500	500	800	14400	38
19	62	64600	13800	4300	1100	600	700	39350	124450	38
	TOT	1920400	889800	272100	76500	43200	42000	106450	3350450	38
	AVE	49241	22815	6977	1962	1108	1077	2729	85909	38

CHAPTER III. ASSUMED WATER RIGHTS

For the purposes of the Feather River Trial Distribution studies it was necessary to make many assumptions as to the water rights of the diverters along the Feather, Yuba, and Bear Rivers on the Sacramento Valley floor and at various points in the Feather River drainage basin above Oroville. These assumptions pertain to (1) the extent of the physically riparian lands[1/] (2) the extent of the appropriative water rights initiated both before and after the Water Commission Act of 1913, and (3) the extent of lands with a record of historical water use but having no apparent claim of right under either riparian status nor any identifiable appropriative right.

The rights assumed herein might differ from judicial determinations. Therefore, no claim is made by the State that these assumptions define the relative rights involved. The delineation of the areas assumed under these rights is shown on Plate 3.

All data pertaining to the water rights discussed herein are listed in Table 4 at the end of this chapter.

Riparian Water Rights

It is to be emphasized that the designation of any land as "riparian" in this report is not to be construed as an official recognition by the State of California of the riparian status of such lands. The assumption of riparian status is made for the purposes of this study only and represents only the best estimate that can be made at this time.

1/ Physically riparian land is defined as the smallest parcel physically abutting a watercourse. This does not include any parcel not abutting a watercourse which may have reserved riparian status.

Decisions of the courts in California, including those confirming the 1928 Constitutional Amendment, have consistently upheld the right of owners of riparian lands to divert from the stream those quantities of natural flow reasonably required on such lands.

In the determination of the physically riparian lands no study was made of the possible modification of the rights of such lands by reason of adverse use developing into a prescriptive rights. Such studies would be in the nature of a judicial determination, and are therefore beyond the scope of an engineering study.

Riparian Area

Estimates of the extent of the physically riparian lands along the Feather, Yuba, and Bear Rivers on the valley floor were made based upon the determination of the smallest parcels of land physically abutting the rivers as shown by the county assessors' records in the various counties concerned.

Extensive investigations were made into historic land ownership records such as government land office records, county assessor plat books, and title reports on file with the Bureau of Reclamation. This examination of historic ownership determined a specific area along the streams as riparian. Since many of these early records were of questionable accuracy and the transfer of much of the data from maps of various scales presented many conflicts, it was decided to investigate the use of current assessors' records. Using current records, the riparian area was found to be essentially equal to the area obtained when using early records, but without the many property boundary discrepancies and map scale conflicts.

In general the following criteria were used in the determination of these smallest parcels physically abutting the stream: (1) ownerships designated as parcels on the 1963 assessors' maps were assumed to be the smallest parcels in continuous ownership since the time of patent; (2) riparian status of parcels physically separated from the river by facilities such as railroads, levees, county roads, and state highways would be considered as severed if separate parcel numbers were assigned by the county assessors except when the facilities were immediately adjacent to the stream and the parcel between the river and the public ownership was very small in relation to the "severed" parcel.

Many additional assumptions were required to determine what areas would be considered as the smallest parcel physically abutting the streams. All assumptions made concerning present water users and riparian lands are available in the files of the Department of Water Resources.

Riparian Diversion Allowance

The major objective in determining a diversion allowance for riparian lands is to arrive at a reasonable need of the riparian area. This figure can then be used to evaluate that portion of the water supply remaining for use under appropriative rights. With this objective in mind, the total assumed riparian area was separated into three major catagories; (1) irrigable area, (2) nonirrigable area, and (3) area covered by native vegetation.

A diversion allowance was assumed for the irrigable riparian area only. No diversion allowance was made for the nonirrigable area

nor for the areas of native vegetation. Since most areas covered with native vegetation are in close proximity to the streams, it was assumed that the use of water on these areas would be no greater under irrigation than in the native state and that such use of water was reflected in the historic streamflow records.

The total assumed riparian area was also subdivided into two groups called "Identified" and "Unidentified". The "Identified" group includes all riparian parcels presently irrigated in whole or in part by diversions from the Feather, Yuba, and Bear Rivers and all riparian parcels included within the place of use of an overlapping appropriative right whether irrigated or not. The "Unidentified" group includes all riparian parcels not irrigated from river sources at the present time nor included within the place of use of an appropriative right.

A riparian diversion allowance in the month of maximum demand, was determined through the use of the historic diversion records contained in the Department of Water Resources Bulletin No. 23, "Surface Water Flow". The average unit use of water in the month of maximum demand, expressed in acre-feet per acre per month, was determined using the records of all diversions to assumed riparian lands for the period 1950 through 1959. This unit use of water was applied to unidentified irrigable riparian area to determine the "Unidentified" riparian diversion allowance in the month of maximum demand.

An "Identified" riparian diversion allowance was determined for each identified riparian parcel using an individual average unit use of water applicable to the particular parcel. The average unit use of water determined for the "Unidentified" riparian diversion allowance was used when an individual diversion record was not available.

The total riparian diversion allowance was determined as the sum of the "Unidentified" riparian diversion allowance and the individual "Identified" riparian diversion allowances.

Appropriative Water Rights

Appropriative water rights considered in the Feather River Trial Distribution studies include those initiated prior and subsequent to the effective date of the Water Commission Act of 1913.

Pre-1914 Appropriative Water Rights

Prior to the adoption of the California Civil Code in 1872, no specific method of appropriating water had been outlined by the Legislature. An appropriator merely diverted the water from the stream and applied it to a beneficial use to establish an appropriative right. The enactment of the California Civil Code in 1872 provided a permissive appropriation procedure. The appropriator posted a notice of appropriation at the proposed point of diversion, filed a copy with the county recorder, and applied the water to beneficial use. This procedure was not mandatory but certain advantages, such as an official record of his appropriation, could be established by following the formal procedure.

In the Feather River Trial Distribution studies, extensive investigations were made into county records in all counties within the study area to locate such recorded notices of appropriation. Photographic copies of these recorded notices of appropriation were made and are available in the files of the Department. The points of diversion specified in the notices of appropriation were plotted on maps in an attempt to locate those that could be construed as applying to existing water uses.

Through this procedure, many present day water uses that can reasonably be expected to be made under these early appropriations were identified. These are: (1) storage at Lake Almanor and the diversions from the West Branch Feather River in the Hendricks and Miocene Canals by the Pacific Gas and Electric Company, (2) diversions from the South Fork of the Feather River by the Oroville-Wyandotte Irrigation District in the Palermo Canal and the Forbestown Ditch, (3) diversions from the Feather River by the Pacific Gas and Electric Company in the Western Canal and by the Joint Water Districts in the Sutter Butte Canal, and (4) diversions from the Yuba River by the Cordua Irrigation District and the Hallwood Irrigation Company.

Post-1914 Appropriative Water Rights

The Water Commission Act, which became effective on December 19, 1914, set forth a procedure for the appropriation of water in California. This procedure is now codified in the Water Code. All prior methods of appropriation were superseded.

Briefly, this procedure involves the filing of an application to appropriate water with the State Water Rights Board, the determination of its reasonableness by that board and the issuance of a permit, diligence in construction of works required to put the water to beneficial use, followed again by the determination by the board of beneficial use of water and the issuance of a license for such use.

The files of the State Water Rights Board were searched in 1963 to locate all appropriative rights along the Feather River below Oroville, along the Yuba River below Englebright Reservoir, along the Bear River below Camp Far West Reservoir, and for all major rights in

the Feather River Drainage Basin above Oroville wherein the use of water would have a measurable effect on the flow of the Feather River at Oroville during the irrigation season.

Appropriative Diversion Allowances

Most of the pre-1914 recorded notices of appropriation referred to quantities of water in terms of miners' inches. For the purposes of the Feather River Trial Distribution studies it was assumed that a miners' inch of water would be equal to 1/40 of a second foot.

In some cases, the pre-1914 recorded notices of appropriation specified diversion of "all the water in the stream" or of quantities in excess of those quantities presently being diverted by the physical works to which the notices of appropriation were assumed to apply. In such cases the assumed diversion allowances in the month of maximum demand under these notices of appropriation were reduced to the capacities of the works assumed to be presently utilizing the appropriated water.

The diversion allowances assumed for the post-1914 appropriation rights generally were the same as specified in the latest supporting document, application, permit, or license obtained from the State Water Rights Board.

Both the pre-1914 and the post-1914 diversion allowances used in these studies were expressed in terms of acre-feet per month (one cubic foot per second equals 61.5 acre-feet per month).

Overlap Area

One of the requirements included in the appropriation procedures pursuant to the Water Commission Act is the filing with the

State Water Rights Board of a map, "Proposed Place of Use of Diverted Water". Copies of these maps were obtained from the Board. Comparison of these maps with maps prepared to delineate the assumed riparian area, revealed certain areas that were considered to be riparian were also included within the place of use under an appropriative right.

To avoid duplication of diversion allowances, it was assumed that such overlapping areas would retain a riparian diversion allowance and the requested appropriative diversion allowance would be reduced by the ratio of the overlapping area to the nonoverlapping area of the appropriative place of use. This assumption provided that the overlapping area would have a riparian diversion allowance, generally based on the historic use of water thereon, and would be granted the best priority possible.

This procedure was also applied to the appropriative rights established prior to the Water Commission Act. However, since no map had been required, it was assumed that the historic service area of the diversion facility operating under such right, or the area of the district or districts served by such facility would be taken as the place of use.

Unclassified Water Rights

Prior to 1960 the Department of Water Resources prepared maps delineating the area irrigated by the surface water diverted from each particular diversion point in the Sacramento Valley. A close comparison of these maps covering the Feather, Yuba, and Bear Rivers, maps delineating the assumed physically riparian land, and the place of use maps under appropriative rights revealed that some areas were being irrigated by surface diversion from the rivers under no apparent

claim of right. For the purpose of the Feather River Trial Distribution studies, it was assumed that each of these areas had an "Unclassified" water right. It was assumed that each of these "Unclassified" rights had a priority date based upon their first use of water, as recorded in Department of Water Resources Bulletin No. 23. The diversion allowances assumed in the month of maximum demand for these rights were taken from these same diversion records utilizing the maximum reasonable diversion as shown. The "Unclassified" water rights amount to less than two-tenths of one percent of the total assumed diversion allowances along the Feather River below Oroville Dam.

Seasonal Distribution of Diversion Allowances

Diversion allowances specified in documents supporting water rights generally refer to a specific maximum rate or a maximum monthly quantity. The use of water for agricultural and municipal purposes varies with the climate in such a manner that lesser amounts are required during the spring and fall than during the summer. Two basic demand curves were developed during this study to reflect this seasonal variation. The diversion records used in these determinations were taken from Department of Water Resources Bulletin No. 23, "Surface Water Flow". The actual use of these demand curves in the studies is explained in Chapter IV, "Methods of Analysis".

Direct Diversion Allowances

Average demand curves were developed for each water user based on the individual water user's record of diversions for the period 1953 through 1962. This curve was expressed in percent with

the month of maximum use equal to 100 percent. A river-wide demand curve was developed to be used to determine seasonal distribution of allowance for assumed rights for which no diversion record was available.

Maximum demand curves were also developed for each water user and for the entire river. These were based on the total diversion record, 1924 through 1962. In this determination, each individual annual diversion record was expressed in percent with the month of maximum use equal to 100 percent. The monthly values of the maximum demand curve were then determined as the maximum percentage occurring in each month during the period of record.

The diversion allowances were then determined by applying the demand curve percentages to the diversion allowance assumed under each water right, riparian, and appropriative.

Storage Diversion Allowance

The allowance under assumed appropriative storage rights were generally determined to be equal to the historic increase in storage of the facility assumed to be operating thereunder or to be equal to the increase in storage shown by operation studies prepared for facilities to be constructed.

Priority of Assumed Rights

In these studies it was assumed that riparian water rights were paramount to any other type of water right. It was also assumed that, in general, priority as among appropriative rights would be based on the date of filing of such appropriation. For pre-1914 recorded notices of appropriation, this date was taken as the date of

posting specified in the recording. For post-1914 appropriative water rights, the date of filing of the application with the State Water Rights Board or its predecessor agencies was used. Priority of the "Unclassified" rights was assumed as the date of first use as recorded in Bulletin No. 23, "Surface Water Flow".

Two water rights, because of their magnitude and special conditions, require special mention. These are the pre-1914 recorded notices of appropriation of the Joint Water Districts and the Western Canal Company.

It was assumed that these two entities operate under recorded notices of appropriation filed on July 28, 1902, and February 3, 1908, respectively. However, in 1924, as a result of litigation, the Superior Court of Butte County issued a decree which specified the following priorities to the flow of the Feather River as between them:

Entity	Priority 1st	2nd	3rd	4th	5th
Sutter Butte Canal Company (Joint Water Districts)	1,200cfs	-	800cfs	-	500cfs
Western Canal Company (Pacific Gas & Electric Company)	-	300cfs	400cfs	500cfs	-

Since there were no assumed rights to the flow of the Feather River of any third parties with priority dates between the two recorded notices, July 28, 1902, and February 3, 1908, it was assumed that both of these rights would have a priority of July 28, 1902. The diversion allowances were assumed to be limited by the physical capacity of the diversion facilities, the Joint Water Districts' Sutter Butte Canal,

with a capacity of 2,000 cfs, and the Pacific Gas and Electric's Western Canal, with a capacity of 700 cfs. Thus, only the first three priorities are considered.

State Filings

In accordance with the provisions of Part II, of Division 6 of the Water Code, as enacted into law and as amended, the State has filed certain applications to appropriate unappropriated waters of the State which are or may be acquired in the development and completion of the whole or any part of a general or coordinated plan looking toward the development, utilization, or conservation of the water resources of the State.

Eight such applications, commonly called "state filings" have been made that specify diversion points within the Feather, Yuba, and Bear River's Valley floor service area. Three of these applications are for power purposes, a nonconsumptive use, and were therefore not considered in the studies. Two have been assigned to other agencies and are considered to the extent that present or planned projects will utilize them. Three of the applications are assumed to cover the consumptive and export demands of the State Water Project. Information pertaining to these filings is presented in Table 4.

TABLE 4
ASSUMED WATER RIGHTS AND DIVERSION ALLOWANCES

Water User	River Mile	Reach	Assumed Riparian Right					Assumed Appropriative Right									Notes
												Place of Use		Diversion Allowance			
			Gross Riparian Area	Nonirrigable Area	Native Vegetation Area	Net Irrigable Area	Diversion Allowance	Priority Date	Application Number	Permit Number	License Number	Specified in Supporting Document	Portion Assumed Riparian	Specified in Supporting Document		Assumed in Studies	
			Acres	Acres	Acres	Acres	AF/Mo					Acres	Acres	cfs	AF/Mo	AF/Mo	
								FEATHER RIVER									
Aguiar, M.	47.9L	9	497	40	4	453	240	10/6/24	4251	2051	1108	75	75	0.94	58	0	(a)
Baird, W.	1.5R	5	120	9	0	111	111										Riparian area within place of use of App 3206. See Raymond, W.K. Appl 3206.
Biggs, R.S.	48.0L	9	462	51	7	404	351	4/1/25	(Unclassified)			125				109	(b)
Bowers Ranch	49.0L	9	500	73	41	386	293										
Butler, M.	52.5L	9	86	4	0	82	82	4/1/25	(Unclassified)			16				16	(b)
Everett, H.B.	33.2R	9	207	14	35	158	35										
Feather Water District	18.9R	7	0	0	0	0	0	5/12/52	14803	12094	-	8481	0	130.00	7995	7995	River mile, assumed diversion location.
Fratus, S.J.	52.1L	9	350	30	0	320	740										
Fruitman, M.	52.7L	9	133	12	8	113	68										
Garden H. M. W. Co.	13.1R	7	381	27	0	354	414	3/2/20	1699	1793	2033	2705	381	39.00	2398	2060	(a) Place of use under Apps 1699, 14415, and 15893 consolidated under change order 10/6/60.
								6/3/51	14415	8848	4659	915	0	23.00	1414	1414	
								6/4/54	15893	9904	5629	68	0	0.70	43	43	
Hamatani and Richards	9.7R	5	905	164	198	543	543										
Haselbusch, H.	57.9R	9	97	49	0	48	41										
Hawk and Buckley Ranch	9.8R	5	0	0	0	0	0	9/18/61	20091	13901	-	50	0	1.00	62	62	River mile, assumed diversion location. Diversion season limited, 4/1 - 6/30 and 9/1 - 11/30.
								9/18/61	20399	13906	-	300	0	3.00	185	185	
Haymore, A.L.	6.4L	5	232	20	8	204	237										

(a) Assumed appropriative diversion allowance reduced due to riparian overlap (see text, page 125)
(b) Unclassified water right (see text, page 126)

TABLE 4 (Continued)
ASSUMED WATER RIGHTS AND DIVERSION ALLOWANCES

Water User	River Mile	Reach	Assumed Riparian Right					Assumed Appropriative Right									Notes
			Gross Riparian Area	Nonirrigable Area	Native Vegetation Area	Net Irrigable Area	Diversion Allowance	Priority Date	Application Number	Permit Number	License Number	Place of Use: Specified in Supporting Document	Place of Use: Portion Assumed Riparian	Diversion Allowance: Specified in Supporting Document		Diversion Allowance: Assumed in Studies	
			Acres	Acres	Acres	Acres	AF/Mo					Acres	Acres	cfs	AF/Mo	AF/Mo	
							FEATHER RIVER (Continued)										
Heringer Enterprises	46.3L	9	1089	151	107	831	1222	4/1/48	(Unclassified)			682				1005	(b)
Joint Water Districts	58.1R	9	1531	322	4	1205	2410	7/28/02						2500.00	153750	120590	Total diversion allowance limited to the present capacity of the diversion works. Appropriative allowance reduced by amount assumed as riparian allowance.
Kipp and Reith	2.2L	5	249	22	2	225	254	9/1/53	15518	9740		249	249	6.00	369	0	(a)
Kirtlan Brothers	1.1L	5	263	17	6	240	240										
L and M Ranches	53.3L	9	53	4	3	46	46										
Linggi-Elliott Ranch	2.6L	5	192	13	7	172	172										
Madsen, W.R.	44.0R	9	93	12	0	81	32	2/8/45	12927	8513	5604	55	55	0.30	18	0	(a)
Marty, A.	4.5L	5	519	52	6	461	157										
Mathews, Et Al	43.7L	9	408	38	7	363	363	6/1/39	9602	5456	3015	152	152	1.89	116	0	(a) Diversion location, 0.4L Honcut Creek mile 43.7L Feather River confluence with Honcut Creek place of use combined, change order 2/10/42.
								6/1/39	9603	5457	3016	149	149	1.87	115	0	(a)
Mathews, R.	49.7L	9	66	23	0	43	72	4/1/57	17534	11328	5749	25	25	0.50	31	0	(a)
Matsumura Bros.	43.7L	9	74	5	6	63	64										Diversion location, 1.2L Honcut Creek Mile 43.7L, Feather River Confluence with Honcut Creek.
Muller, L.	9.2L	5	67	5	0	62	60										
Noder, O.	44.5L	9	75	14	13	48	27	2/19/45	10986	6475	3091	30	30	0.21	13	0	(a)
Oswald Water District	**21.4R**	**7**	**39**	**4**	**0**	**35**	**35**	**3/27/31**	**6925**	**4008**	**1908**	**838**	**39**	**10.00**	**615**	**587**	**(a)**
								4/1/31	**(Unclassified)**			**86**				**86**	**(b)**

(a) Assumed appropriative diversion allowance reduced due to riparian overlap (see text, page 125)
(b) Unclassified water right (see text, page 126)

TABLE 4 (Continued)
ASSUMED WATER RIGHTS AND DIVERSION ALLOWANCES

Water User	River Mile	Reach	Assumed Riparian Right					Assumed Appropriative Right									Notes
			Gross Riparian Area	Nonirrigable Area	Native Vegetation Area	Net Irrigable Area	Diversion Allowance	Priority Date	Application Number	Permit Number	License Number	Place of Use		Diversion Allowance			
												Specified in Supporting Document	Portion Assumed Riparian	Specified in Supporting Document		Assumed in Studies	
			Acres	Acres	Acres	Acres	AF/Mo					Acres	Acres	cfs	AF/No	AF/Mo	
							FEATHER RIVER (Continued)										
Oroville-Wyandotte ID																	
Palermo Canal	-	13						11/29/54						*	*	2460	* Pre-1914 appropriation claimed "... all the water...". Diversion allowance limited to capacity of canal.
Forbestown Ditch	-	15						11/23/08						125.00	7690	2214	Diversion allowance limited to demand estimated by OWID for South Fork Project.
Little Grass Valley Dam	-	14						2/2/20	1651	1267		31463	0	200.00	12300	8608	Diversion season limited to Apr, May & June. Diversion allowance limited to demand estimated by OWID for South Fork Project.
													Storage	109012	AF/AN	*	* Monthly storage allowance determined from reservoir capacity, streamflow regimen and storage season.
Little Grass Valley Dam	-	14						12/28/50	14113	11518		31000	0	350.00	21525	8608	Diversion season limited to that portion of demand not assumed under Appl. 1651.
													Storage	77300	AF/AN	*	* No storage allowance assumed, total capacity of reservoir assumed under Appl. 1651.
Sly Creek Dam	-	15						3/6/22	2778	2492		31463	0	50.00	3075	0	No diversion allowance assumed, full capacity of facilities allowed under Pre-1914 appropriation dated 11/23/08.
													Storage	25000	AF/AN	*	* Monthly storage allowance determined from reservoir capacity, streamflow regimen and storage season.
Lost Creek Reservoir	-	15						2/17/20	2142	1268		31463	Storage	5000	AF/AN	*	* Monthly storage allowance determined from reservoir capacity, streamflow regimen and storage season.
Lost Creek Reservoir		15						12/28/50	14113	11518		31000	0	350.00	21525	0	No diversion allowance assumed, full capacity of facilities allowed under Pre-1914 appropriation dated 11/23/08.
													Storage	44000	AF/AN	*	* Monthly storage allowance assumed as that portion of combined capacity of Sly Creek Dam and Lost Creek Reservoir not allowed under Appls 2142 and 2778.

(a) Assumed appropriative diversion allowance reduced due to riparian overlap (see text, page 125)
(b) Unclassified water right (see text, page 126)

TABLE 4 (Continued)

ASSUMED WATER RIGHTS AND DIVERSION ALLOWANCES

Water User	River Mile	Reach	Assumed Riparian Right					Assumed Appropriative Right									Notes
			Gross Riparian Area	Nonirrigable Area	Native Vegetation Area	Net Irrigable Area	Diversion Allowance	Priority Date	Application Number	Permit Number	License Number	Place of Use		Diversion Allowance			
												Specified in Supporting Document	Portion Assumed Riparian	Specified in Supporting Document		Assumed in Studies	
			Acres	Acres	Acres	Acres	AF/Mo					Acres	Acres	cfs	AF/Mo	AF/Mo	
								FEATHER RIVER (Continued)									
Pedroza and Sons	50.7L	9	109	15	0	94	93	5/8/23	3406	1477	1640	53	53	0.42	26	0	(a)
Pacific Gas & Electric Co.																	
Lake Almanor		12						4/8/02					Storage	100000	miners inches	*	* Monthly storage allowance assumed as historic increase in storage for April, May & June.
Bucks Lake		17						2/1/21	2186	3390			Storage	70000	AF/AN	*	* Monthly storage allowance assumed as historic increase in storage for April, May & June.
Butt Valley Reservoir		16						4/8/02					Storage	20000	miners inches	*	* Monthly storage allowance assumed as estimated historic increase in storage for April, May & June.
Hendricks Canal		11						1/1/58						125.00	7686	7686	Diversion allowance limited to approximate historic capacity of diversion facilities.
Miocene Canal		11						1/1/65						250.00	15,375	4000	Diversion allowance limited to approximate historic capacity of diversion facilities.
Western Canal		9	0	0	0	0	0	2/3/08						1500.00	92,250	43050	Diversion allowance limited to present capacity of canal, 700 cfs.
Plumas M. W. Co.	17.5L	7	1137	94	0	1043	1199	9/23/16	480	249		5348	817	150.00	9225	2070	(a) Total diversion allowance limited to approximate capacity of present diversion facilities.
Prindiville, G.D.	33.3R	9	197	27	10	160	168	4/2/46	11357	6663	3379	144	144	2.60	160	0	(a)
Raymond, W.K.	2.6R	5	2869	201	100	2568	1746	12/27/22	3206	2175		3500	3500*	87.49	5381	0	(a) * 120 acs riparian listed under Baird, W. 313 acs considered riparian to Sacramento River. 175 acs Holmes property included in "unidentified" riparian area.
Richvale I.D.																	
Nelson Point Reservoir		18						4/10/50	13681				Storage	60000	AF/AN	*	* Monthly storage allowance assumed as increase in storage estimated by Richvale I.D.
								7/21/52	14919				Storage	116000	AF/AN	*	* Total allowance assumed under Appl. 13681.

(a) Assumed appropriative diversion allowance reduced due to riparian overlap (see text, page 125)
(b) Unclassified water right (see text, page 126)

TABLE 4 (Continued)

ASSUMED WATER RIGHTS AND DIVERSION ALLOWANCES

Water User	River Mile	Reach	Assumed Riparian Right					Assumed Appropriative Right									Notes
			Gross Riparian Area	Nonirrigable Area	Native Vegetation Area	New Irrigable Area	Diversion Allowance	Priority Date	Application Number	Permit Number	License Number	Place of Use: Specified in Supporting Document	Place of Use: Portion Assumed Riparian	Diversion Allowance: Specified in Supporting Document		Diversion Allowance: Assumed in Studies	
			Acres	Acres	Acres	Acres	AF/Mo					Acres	Acres	cfs	AF/Mo	AF/Mo	
Richvale I.D. (Cont.)								F E A T H E R R I V E R (C o n t i n u e d)									
Clio Reservoir		19						4/10/50	13681				Storage	72000	AF/AN	*	* Monthly storage allowance assumed as increase in storage estimated by Richvale I.D.
								7/21/52	14919				Storage	131000	AF/AN	*	* Total allowance assumed under Appl. 13681.
Haselbusch Dam	58.1R	9	0	0	0	0	0	7/21/52	14919			24500	0	1300.00	79950	0	No diversion allowance assumed. Assumed to be re-diversion of stored water.
								7/19/61	20308			25000	0	200.00	12300	0	No diversion allowance assumed. Application for diversion of Kelly Ridge power discharge only.
Robinson Estate	50.4L	9	316	36	8	272	340										
Scheiber, et.al.	12.0L	5	581	68	30	483	242	5/9/55	16366	10324		224	224	3.00	184	0	(a)
Scheiber, M.	7.7L	5	387	35	4	348	338	4/1/24	(Unclassified)			61				60	(b)
Shannon, G.C.	18.4R	7	313	40	27	246	162										
Sligar and Son	33.1L	9	215	15	24	176	107										
State of California Oroville Reservoir		10						7/30/27	5630					1400.00	86100	6310 & 79790	Diversion allowance divided. First portion allowed 1927 priority, assumed equal to contracted deliveries in Feather River service area. Second portion, the remainder, allowed a priority after all local allowances. See Text page 130.
													Storage	380000	AF/AN	*	* Monthly storage allowance assumed as increase in storage as estimated by the Department of Water Resources. Priority assumed after all local allowances.
Oroville Reservoir		10						8/24/51	14443					1360.00	83640	83640	Priority assumed after all local allowances.
													Storage	3500000	AF/AN	*	* Monthly storage allowances assumed as that part of estimated storage increase not allowed under Appl. 5630. Priority assumed after all local allowances.
Oroville Reservoir		10						8/25/51	14445					2140.00	131610	131610	Priority assumed after all local allowances.

(a) Assumed appropriative diversion allowance reduced due to riparian overlap (see text, page 125)
(b) Unclassified water right (see text, page 126)

TABLE 4 (Continued)
ASSUMED WATER RIGHTS AND DIVERSION ALLOWANCES

Water User	River Mile	Reach	Assumed Riparian Right					Assumed Appropriative Right									Notes
			Gross Riparian Area	Nonirrigable Area	Native Vegetation Area	New Irrigable Area	Diversion Allowance	Priority Date	Application Number	Permit Number	License Number	Place of Use: Specified in Supporting Document	Place of Use: Portion Assumed Riparian	Diversion Allowance: Specified in Supporting Document		Diversion Allowance: Assumed in Studies	
			Acres	Acres	Acres	Acres	AF/Mo					Acres	Acres	cfs	AF/Mo	AF/Mo	
								FEATHER RIVER (Continued)									
Sullivan, J.L.	33.9R	9	274	24	33	217	202	4/1/25	(Unclassified)			20				18	(b) Unclassified allowance for Piper property.
Sutter Extention W.D.	38.1R	9	0	0	0	0	0	8/22/42	10529	6242		23240	0	234.00	14391	14391	
Thomas, et.al.	30.9R	9	101	7	14	80	20	5/13/54	15872	10065	6121	95	95	0.52	32	0	(a)
Toledo and Son	5.2L	5	51	6	2	43	49	4/1/55	(Unclassified)			60				67	(b)
Tudor M.W. Co.	18.4R	7	21	1	0	20	14	5/31/55	16401	10220	6184	2614	21	32.00	1968	1952	(a) No adjustment made for 160 acs duplicate place of use with Appl. 14803.
Walker, C.L.	53.3L	9	102	9	0	93	102	12/30/54	16191	10159	5781	92	92	1.25	77	0	(a)
Washburn, R.	43.7L	9	148	9	9	130	116										Diversion location, Mile 1.25L, Honcut Creek. Mile 43.7, confluence of Honcut Creek and Feather River.
White Oak Ranch	5.6L	5	834	63	20	751	766										
Wilbur, R.R.	32.3R	9	191	13	0	178	178										
City of Yuba City	29.0R	7	0	0	0	0	0	3/5/58	18025	14045	(Municipal)			15.60	959	959	Diversion season restricted to following period: April thru June and Sept thru Oct.
Unidentified Riparian		5	4405	427	130	3848	3848										Assumed diversion allowance for riparian area not presently irrigated from river sources or not included within the place of use of an appropriative right.
		7	7730	1923	1288	4519	4519										
		9	10337	2542	734	7061	7061										
Sub Totals		5	11674	1102	513	10059	8763	-	-	-	-	-	-	100.49	6181	374	
		7	9621	2089	1315	6217	6343	-	-	-	-	-	-	400.30	24617	17166	
		9	17711	3539	1067	13105	14473	-	-	-	-	-	-	5744.50	353287	179179	
Total Feather River			39006	6730	2895	29381	29579	-	-	-	-	-	-	6245.29	384085	196719	Totals do not include values associated with water rights for storage only.

(a) Assumed appropriative diversion allowance reduced due to riparian overlap (see text, page 125)
(b) Unclassified water right (see text, page 126)

TABLE 4 (Continued)
ASSUMED WATER RIGHTS AND DIVERSION ALLOWANCES

Water User	River Mile	Reach	Assumed Riparian Right					Assumed Appropriative Right									Notes
												Place of Use		Diversion Allowance			
			Gross Riparian Area	Nonirrigable Area	Native Vegetation Area	Net Irrigable Area	Diversion Allowance	Priority Date	Application Number	Permit Number	License Number	Specified in Supporting Document	Portion Assumed Riparian	Specified in Supporting Document		Assumed in Studies	
			Acres	Acres	Acres	Acres	AF/Mo					Acres	Acres	cfs	AF/Mo	AF/Mo	
								YUBA RIVER									
Cordua I.D.	11.0R	8	0	0	0	0	0	3/9/74						62.50	3843	3843	
								4/13/74						37.50	2306	2306	
								4/3/09						250.00	15375	1120	Diversion allowance reduced to maintain total allowance within capacity of diversion facilities as demonstrated by historic use.
								6/10/40	9927	6009	3984	6935	0	40.00	2460	2460	
								3/2/48	12371	8322	3985	6935	0	50.00	3075	3075	
DiGiorgio Fruit Corp.	4.7L	8	1222	130	49	1043	1043										
Hallwood Irr. Co.	11.0R	8	343	37	0	306	673	11/16/09						175.00	10763	10763	
								5/16/40	9899	6008	4443	7400	343	100.00	6150	5886	(a)
Lolmaugh, G.D.	3.1R	8	39	3	7	29	29										
River Bend Ranch	3.0L	8	882	180	68	634	824	4/1/31	(Unclassified)			282				282	(b)
Trubschenck, L.	1.8R	8	50	8	4	38	44										
Williams, B.	1.4R	8	18	10	0	8	8										
Yuba Co. Water Agency	11.0R	8	0	0	0	0	0	7/30/27	5632	(Decision 1159)		102989	0	1550.00	95325	84100	This application is a state filing assigned to YCWA. Diversion allowance limited to demand estimated by YCWA. Other applications of YCWA applied to storage beyond the study area.
Unidentified Riparian		8	5634	4658	639	337	337										Assumed diversion allowance for riparian area not presently irrigated from river sources and not included within the place of use of any appropriative right.
Total Yuba River			8188	5026	767	2395	2958	-	-	-	-	-	-	2265.00	139297	113835	Totals do not include values associated with water rights for storage only.

(a) Assumed appropriative diversion allowance reduced due to riparian overlap (see text, page 125)
(b) Unclassified water right (see text, page 126)

TABLE 4 (Continued)
ASSUMED WATER RIGHTS AND DIVERSION ALLOWANCES

Water User	River Mile	Reach	Assumed Riparian Right					Assumed Appropriative Right									Notes
												Place of Use		Diversion Allowance			
			Gross Riparian Area	Nonirrigable Area	Native Vegetation Area	Net Irrigable Area	Diversion Allowance	Priority Date	Application Number	Permit Number	License Number	Specified in Supporting Document	Portion Assumed Riparian	Specified in Supporting Document		Assumed in Studies	
			Acres	Acres	Acres	Acres	AF/Mo					Acres	Acres	cfs	AF/Mo	AF/Mo	
								BEAR RIVER									
Calif. Pack. Corp.	10.7L	6	948	111	19	818	564	5/13/26	5016	2714	2496	595	595	6.80	418	0	(a)
								5/7/28	5904	3192	2497	917	917	11.46	705	0	(a) Application for ".. augmented flow.." only, no allowance considered.
Camp Far West I.D.	16.7R	6	3823	931	186	2706	3000	4/1/18	959	743	385	4102	4102	13.24	814	0	(a) Diversion allowance assumed equal to planned releases from South Sutter I.D. Project.
								2/11/24	3843	2090	2267			11.76	723	0	Total diversion allowance assumed under riparian allowance. Other applications of CFWID applied to storage beyond study area.
Gilbert, W.H.	8.1R	6	104	7	0	97	33										
South Sutter W.D.	16.7L	6	1406	313	122	971	971	6/13/41	10221			63180	2354	250.00	15345	14800	(a) Diversion allowance reduced by riparian overlap and by allowance under Appl. 5016 which is within place of use of Appl. 10221.
								5/12/52	14804	11297		59000	-	360.00	22140	6229	Diversion allowance limited to that portion of demand estimated by SSWD, not allowed under riparian allowance or Appl. 10221. Other applications of SSWD applied to storage beyond study area.
Unidentified Riparian		6	3247	700	305	2242	2242										Assumed diversion allowance for riparian area not presently irrigated from river sources and not included within the place of use of any appropriative right.
Total Bear River			9528	2062	632	6834	9670	-	-	-	-	-	-	653.26	40145	21029	Totals do not include values associated with water rights for storage only.

(a) Assumed appropriative diversion allowance reduced due to riparian overlap (see text, page 125)
(b) Unclassified water right (see text, page 126)

CHAPTER IV. METHOD OF ANALYSIS

The basic method of analysis used in the Feather River Trial Distribution studies is similar to that used in the C-650 Studies prepared under the Sacramento River Trial Distribution Program and presented to the State Water Rights Board in the hearings concerning the state applications assigned to the Bureau of Reclamation for the operation of the Central Valley Project. Due to the magnitude and volume of computations involved, these studies were programmed for electronic data processing equipment.

Computation Procedure

In general, the computation procedure involved the deduction of the diversion allowances under each assumed right from the available water supply, to the extent of that supply, with provision for use of return flows. Due regard was given to the geographic occurrence of the water supply and the return flows in relation to the location of the points of diversion of such assumed allowances.

As mentioned in Chapter II, "Water Supply", the valley floor portion of the Feather, Yuba, and Bear Rivers service area was divided into five reaches: Reach 5, from the mouth of the Feather to the mouth of the Bear; Reach 6, from the mouth of the Bear to Mile 16; Reach 7, from the mouth of the Bear to Jack Slough; Reach 8, from the mouth of the Yuba to Section 28; and Reach 9, from Jack Slough to Oroville.

The upper reaches of the Feather River were divided into ten reaches. As explained previously, these are not specifically reaches in that they do not extend from one point to another but are locations

established to evaluate the entitlements and resultant decrease of available water supply. These are: Reach 10, Feather River near Oroville; Reach 11, West Branch Feather River near Yankee Hill; Reach 12, North Fork Feather River near Prattville; Reach 13, South Fork Feather River at Enterprise; Reach 14, South Fork Feather River near LaPorte; Reach 15, Lost Creek near Clipper Mills; Reach 16, Butt Creek at Butt Valley Dam; Reach 17, Bucks Creek at Bucks Lake Dam; Reach 18, Middle Fork Feather River at Nelson Point; and Reach 19, Middle Fork Feather River at Clio.

Initial Water Supply

Analysis of the modified flows, computed as explained in Chapter II, revealed many instances of unmeasured accretions or depletions. It was assumed that these accretions or depletions were due to the exchange of water between the stream and groundwater and that such exchange would continue regardless of any change in streamflow regimen. Thus, the accretions would be a part of the available water supply while the depletions would reduce the supply.

The first step in the computation, determination of the initial water supply, required the adjustment of the modified flows for these accretions and depletions. This was accomplished by comparing the modified flow in each reach with the modified flow in the immediate upstream reach, starting with the lowest reach. If the upstream flow exceeded the downstream flow, a depletion was evident and the upstream flow was reduced to reflect such depletion. This procedure insured that water supply lost historically to natural depletions would not be credited as an entitlement to upstream water

rights. If the upstream flow was less than the downstream flow, an accretion was evident and no adjustment was required. This natural accretion remained available in the stream for use under the assumed rights.

These adjusted flows were taken as the initially available water supply and assumed to be available at any location along each respective reach.

Determination of Entitlement

The determination of the entitlement to the flow of the river was the next step in the computations. This involved the comparison of the diversion allowance under each assumed right with the available water supply in the reach containing the diversion point of that assumed right. When the available water supply exceeded the diversion allowance, the entitlement was equal to the diversion allowance and the water supply was reduced by the amount of the entitlement. When the supply was less than the allowance, the entitlement was equal to the supply available and the water supply was reduced to zero. When the supply was exhausted, there was no entitlement for that particular allowance. The above procedure was followed for each month and year of the study period, April through October, 1924 through 1962, considering each assumed right in priority order.

Remaining Water Supply

After each individual entitlement was determined, the water supply in each reach was adjusted to reflect the assignment of the entitlement and credit of any return flow therefrom available for reuse. This adjustment insured that water was not assigned as an

entitlement to more than one assumed right. This procedure determined the remaining water supply in each reach after each entitlement determination.

It is expressly pointed out that the term "available water supply" is not used to identify the streamflow actually in the channel. These figures represent only that part of the streamflow available for diversion under rights of succeeding priority.

CHAPTER V. RESULTS OF STUDIES

In these studies, the first and primary result was the estimated entitlement of each water user determined for each month (April through October) and each year of the study period (1924-1962). The second result was the estimated available water remaining in each reach, during each month and year of the study period. Determination was also made of amounts of available water remaining after each of the following groups of assumed rights had been considered; (1) riparian, (2) pre-1914 appropriations, (3) pre-1927 appropriations, (4) 1927 appropriations (state filings), (5) 1963 appropriations, and (6) all assumed rights.

The sheer mass of the results described above precludes its being presented in this report. The results presented herein are limited to (1) the 39-year (1924-1962) average monthly and seasonal entitlements of each water user and (2) the individual monthly and annual amounts of available water remaining in each reach for each month and year of the study period after all assumed rights have been considered. These values are shown in tables at the end of this chapter. Copies of all studies containing the complete results, are available in files of the Department.

Discussion of Studies

The results presented herein are from the four latest entitlement studies made. These studies were made with varying assumptions as to (1) the diversion allowance assumed for the "Unidentified" riparian area and/or (2) the seasonal distribution of all diversion

allowances assumed for the water rights along the Feather, Yuba, and Bear Rivers in the valley floor service area. Other conclusions could be derived from other assumptions. Those presented are felt to be logical answers determined from available data based on reasonable assumptions.

Preliminary Studies

Study No. 1 was used to develop the program for the electronic data processing system. Assumed data were used in the study and tabulated results are not presented.

Studies No. 2, 3, and 5, using data terminating in 1957, were used to support the initiation of negotiations of the water rights along the Feather River.

In Study No. 2, full diversion allowances under the assumed riparian rights were used; the seasonal distribution of diversion allowances under each assumed water right was based on the maximum demand curves. This study was made to determine the entitlements of the individual water users and the available water remaining after considering the possible maximum demands of all rights.

In Study No. 3, no diversion allowances were assumed under the "unidentified" riparian rights; the seasonal distribution of diversion allowances under each assumed water right was based on the average demand curves. This study was made to determine the entitlements of the water users and the available water remaining after considering the average demands of all rights and neglecting any reservation for the undeveloped riparian area.

In Study No. 5, similar to Study No. 2, the seasonal distribution of diversion allowances under each assumed right was based on the maximum demand curve. In contrast to Study No. 2, however, no diversion allowances were assumed for the "Unidentified" riparian rights. This study was made to demonstrate the increase in entitlement of the individual water users and/or the available water remaining, after considering the maximum possible demands of all rights and neglecting any reservation for the undeveloped riparian area.

Final Studies

Since 1957, the termination date of data used in the preliminary studies, additional data have become available. These data include such items as: (1) new applications for appropriation of water, (2) previous appropriations that have been revoked or cancelled, (3) state filings that have been assigned to local interests, (4) decisions of the Water Rights Board clarifying many issues, and (5) additional streamflow and water use records. In view of these new data it was decided to bring the studies up to date to make this report current.

In the final studies, that portion of the allowances assumed under the state filings on the Feather River considered to be for export, was assigned a priority after all local water rights. Since the earliest state filings were made in 1927, this new priority status will not change the entitlements estimated for assumed water rights having a priority date before 1927.

In addition to the latest data, the final studies include four upstream reaches, Reaches 16, 17, 18, and 19, that were not included in the preliminary studies. These reaches were included to

demonstrate that consideration of the assumed water rights located therein would have little, if any, effect on the overall study results.

In Study No. 6 full diversion allowances under the assumed "Unidentified" riparian rights were used; the seasonal distribution of diversion allowances under each assumed water right was based on the average demand curve. This combination of assumptions was not used in any of the preliminary studies. This study was made to determine the entitlements of the water users and the available water remaining after considering the average demands of all rights.

Study No. 7 utilized the same assumptions as Study No. 2. Study No. 8 used assumptions as in Study No. 3. Study No. 9 used the same assumptions as Study No. 5. These various assumptions are presented in tabular form below:

Study No.		Assumptions	
Preliminary	Final	Riparian Allowances	Seasonal Distribution of Allowances
none	6	Full allowance for all assumed riparian areas	Average demand curve
2	7	Full allowance for all assumed riparian areas	Maximum demand curve
3	8	Allowance for identified assumed riparian areas only	Average demand curve
5	9	Allowance for identified assumed riparian areas only	Maximum demand curve

TABLE 5

SUMMARY OF AVERAGE MONTHLY AND SEASONAL ENTITLEMENTS
TO THE FLOW OF THE FEATHER RIVER
(in acre-feet)

Water User	Study No.	April	May	June	July	Aug.	Sept.	Oct.	Total
Aguiar, M.	6	27	94	161	240	223	165	50	960
	7	240	240	240	240	240	231	133	1564
	8	27	94	161	240	223	165	50	960
	9	240	240	240	240	240	231	133	1564
Baird, W.	6	12	46	73	111	95	45	11	393
	7	27	111	111	111	111	111	74	656
	8	12	46	73	111	95	45	11	393
	9	27	111	111	111	111	111	74	656
Biggs, R. S.	6	12	107	299	371	162	16	0	967
	7	63	343	426	371	351	177	13	1744
	8	12	107	301	371	163	16	0	970
	9	63	345	426	371	351	177	13	1746
Bowers Ranch	6	69	114	293	269	106	36	15	902
	7	225	271	293	293	244	102	67	1495
	8	69	114	293	269	106	36	15	902
	9	225	271	293	293	244	102	67	1495
Butler, M.	6	26	55	84	85	73	44	21	388
	7	97	96	93	85	82	82	33	568
	8	26	55	84	85	73	44	21	388
	9	97	96	93	85	82	82	33	568
Everett, H. B.	6	18	35	34	34	30	17	10	178
	7	27	35	35	35	35	28	17	212
	8	18	35	34	34	30	17	10	178
	9	27	35	35	35	35	28	17	212

TABLE 5 (Continued)

Water User	Study No.	April	May	June	July	Aug.	Sept.	Oct.	Total
Feather Water District	6	3111	7020	5871	1670	198	1170	523	19563
	7	6011	7846	4829	1232	116	296	2057	22387
	8	3111	7020	6430	2556	1449	3000	523	24089
	9	6011	7995	5966	2441	872	1699	2496	27480
Fratus, S. J.	6	133	691	690	740	660	226	19	3159
	7	391	740	740	740	740	649	235	4235
	8	133	691	690	740	660	226	19	3159
	9	391	740	740	740	740	649	235	4235
Fruitman, M.	6	11	38	68	61	47	24	8	257
	7	68	68	68	68	68	63	54	457
	8	11	38	68	61	47	24	8	257
	9	68	68	68	68	68	63	54	457
Garden Highway Mutual Water Company	6	1607	3931	3162	2016	1334	971	27	13048
	7	3931	3930	3255	2132	1251	1277	474	16250
	8	1607	3931	3401	2564	2197	1267	27	14994
	9	3931	3931	3533	2800	2473	2448	508	19624
Hamatani and Richards	6	89	441	505	543	538	303	44	2463
	7	211	543	543	543	543	543	543	3469
	8	89	441	505	543	538	303	44	2463
	9	211	543	543	543	543	543	543	3469
Haselbusch, H.	6	1	17	35	41	17	0	4	115
	7	30	41	41	41	41	33	40	267
	8	1	17	35	41	17	0	4	115
	9	30	41	41	41	41	33	40	267
Hawk and Buckley Ranch	6	27	101	104	32	0	18	25	307
	7	59	234	120	19	0	0	100	532
	8	27	101	125	57	5	30	25	370
	9	59	241	158	51	6	14	149	678

TABLE 5 (Continued)

Water User	Study No.	April	May	June	July	Aug.	Sept.	Oct.	Total
Haymore, A. L.	6	58	107	188	237	207	157	103	1057
	7	237	237	237	237	237	237	165	1587
	8	58	107	188	237	207	157	103	1057
	9	237	237	237	237	237	237	165	1587
Heringer Enterprises	6	381	674	1242	1402	965	569	93	5326
	7	1474	2098	1737	1325	1222	843	186	8885
	8	381	674	1275	1402	965	580	94	5371
	9	1474	2098	1815	1351	1222	843	186	8989
Joint Water Districts	6	64489	118133	108573	75580	55729	44099	31825	498428
	7	97543	117830	111687	79107	56359	48147	47379	558052
	8	64489	118575	109580	79867	60051	45949	31883	510394
	9	97743	118250	113111	83574	63763	54378	48509	579328
Kipp and Reith	6	27	90	204	217	254	209	29	1030
	7	153	186	254	254	254	254	88	1443
	8	27	90	204	217	254	209	29	1030
	9	153	186	254	254	254	254	88	1443
Kirtlan Brothers	6	26	99	158	240	206	96	24	849
	7	58	240	240	240	240	240	160	1418
	8	26	99	158	240	206	96	24	849
	9	58	240	240	240	240	240	160	1418
L and M Ranches	6	24	46	45	45	39	22	13	234
	7	36	46	46	46	46	37	23	280
	8	24	46	45	45	39	22	13	234
	9	36	46	46	46	46	37	23	280
Lingge-Elliott Ranch	6	45	89	172	133	157	121	6	723
	7	91	95	172	172	172	171	13	886
	8	45	89	172	133	157	121	6	723
	9	91	95	172	172	172	171	13	886

TABLE 5 (Continued)

Water User	Study No.	April	May	June	July	Aug.	Sept.	Oct.	Total
Madsen, W. R.	6	2	0	16	32	29	7	0	86
	7	13	0	32	32	32	10	0	119
	8	2	0	16	32	29	7	0	86
	9	13	0	32	32	32	10	0	119
Marty, A.	6	37	98	131	157	97	100	2	622
	7	67	149	126	157	109	157	5	770
	8	37	98	131	157	97	100	2	622
	9	67	149	126	157	109	157	5	770
Mathews, et al	6	186	363	357	356	308	177	101	1848
	7	272	225	363	363	363	145	0	1731
	8	186	363	357	356	308	177	101	1848
	9	272	225	363	363	363	145	0	1731
Mathews, R.	6	0	42	42	72	64	25	1	246
	7	0	72	72	72	72	45	6	339
	8	0	42	42	72	64	25	1	246
	9	0	72	72	72	72	45	6	339
Matsumura Brothers	6	19	7	64	60	30	4	0	184
	7	51	55	64	64	64	40	11	349
	8	19	7	64	60	30	4	0	184
	9	51	55	64	64	64	40	11	349
Muller, L.	6	2	14	37	60	47	20	9	189
	7	6	29	60	60	60	52	30	297
	8	2	14	37	60	47	20	9	189
	9	6	29	60	60	60	52	30	297
Noder, O.	6	0	0	24	25	27	1	0	77
	7	0	0	27	27	27	16	0	97
	8	0	0	24	25	27	1	0	77
	9	0	0	27	27	27	16	0	97

TABLE 5 (Continued)

Water User	Study No.	April	May	June	July	Aug.	Sept.	Oct.	Total
Oswald Water District	6	262	490	587	199	73	267	46	1924
	7	635	708	535	208	52	134	464	2736
	8	262	490	691	336	280	357	46	2462
	9	635	708	587	355	338	517	495	3635
Pedroza and Sons	6	21	56	87	93	90	54	18	419
	7	69	93	93	93	93	93	43	577
	8	21	56	87	93	90	54	18	419
	9	69	93	93	93	93	93	43	577
P.G. & E. Western Canal	6	12217	30199	31108	17976	7531	9716	15273	124020
	7	26047	39719	35727	15838	4276	2463	21648	145718
	8	12217	30481	31939	20245	9890	10688	15314	130774
	9	26129	39977	36526	18147	5061	3295	23355	152490
Plumas Mutual Water Company	6	952	2367	2860	2749	2409	1761	548	13646
	7	2452	3269	3075	2710	2181	2396	1998	18081
	8	952	2367	2933	2972	2796	1851	548	14419
	9	2452	3269	3216	2951	2940	3002	2034	19864
Prindiville, G. D.	6	74	57	168	161	79	2	1	542
	7	168	131	168	168	168	51	31	885
	8	74	57	168	161	79	2	1	542
	9	168	131	168	168	168	51	31	885
Raymond, W. K.	6	4	61	565	1746	1185	49	4	3614
	7	411	1746	1746	1746	1746	1746	57	9198
	8	4	61	565	1746	1185	49	4	3614
	9	411	1746	1746	1746	1746	1746	57	9198
Robinson Estate	6	174	340	334	333	289	166	95	1731
	7	265	340	340	340	337	272	166	2060
	8	174	340	334	333	289	166	95	1731
	9	265	340	340	340	337	272	166	2060

TABLE 5 (Continued)

Water User	Study No.	April	May	June	July	Aug.	Sept.	Oct.	Total
Scheiber, et al	6	26	99	159	242	208	97	25	856
	7	58	242	242	242	242	242	162	1430
	8	26	99	159	242	208	97	25	856
	9	58	242	242	242	242	242	162	1430
Scheiber, M.	6	71	300	391	380	335	293	95	1865
	7	193	398	392	378	360	364	232	2317
	8	71	300	394	389	351	299	95	1899
	9	193	398	395	387	384	384	234	2375
Shannon, G. C.	6	91	88	162	152	69	30	1	593
	7	131	120	162	162	80	61	5	721
	8	91	88	162	152	69	30	1	593
	9	131	120	162	162	80	61	5	721
Sligar and Son	6	55	107	105	105	91	52	30	545
	7	83	107	107	107	106	86	52	648
	8	55	107	105	105	91	52	30	545
	9	83	107	107	107	106	86	52	648
Sullivan J. L.	6	115	47	194	205	121	7	0	689
	7	219	218	214	205	202	86	21	1165
	8	115	47	195	205	121	7	0	690
	9	219	218	214	205	202	86	21	1165
Sutter Extension Water District	6	2807	1604	1339	1646	0	317	0	7713
	7	9374	12546	8225	1996	0	0	983	33124
	8	2807	1604	1438	1646	0	348	0	7843
	9	9374	12588	9329	2432	0	0	1069	34792
Thomas, et al	6	5	13	16	20	9	3	6	72
	7	11	20	20	20	15	4	13	103
	8	5	13	16	20	9	3	6	72
	9	11	20	20	20	15	4	13	103

TABLE 5 (Continued)

Water User	Study No.	April	May	June	July	Aug.	Sept.	Oct.	Total
Toledo and Son	6	14	45	57	60	50	31	9	266
	7	25	97	77	58	49	46	21	373
	8	14	45	59	63	52	39	9	281
	9	25	98	90	64	51	54	26	408
Tudor Mutual Water Company	6	842	1199	1396	299	12	142	79	3969
	7	1330	1867	965	229	13	8	116	4528
	8	842	1199	1516	428	72	314	79	4450
	9	1330	1952	1342	433	59	145	170	5431
Walker, C. L.	6	7	49	87	102	98	64	30	437
	7	21	82	102	102	102	89	43	541
	8	7	49	87	102	98	64	30	437
	9	21	82	102	102	102	89	43	541
Washburn, R.	6	37	41	112	116	67	41	9	423
	7	116	97	116	116	116	116	94	771
	8	37	41	112	116	67	41	9	423
	9	116	97	116	116	116	116	94	771
White Oak Ranch	6	181	449	585	753	766	564	259	3557
	7	447	766	766	766	766	766	766	5043
	8	181	449	585	753	766	564	259	3557
	9	447	766	766	766	766	766	766	5043
Wilber, R.	6	156	10	107	151	178	3	0	605
	7	178	59	178	178	178	178	23	972
	8	156	10	107	151	178	3	0	605
	9	178	59	178	178	178	178	23	972
Yuba City, City of	6	959	959	655	0	0	172	959	3704
	7	959	910	467	0	0	0	619	2955
	8	959	959	738	0	0	321	959	3936
	9	959	934	638	0	0	105	901	3537

TABLE 6

AVAILABLE WATER REMAINING IN EACH
REACH AFTER CONSIDERATION OF ALL
ASSUMED RIGHTS AS DETERMINED IN STUDY NO. 6

Table 6 contains 30 pages tabulating the monthly and seasonal totals of the available water remaining as determined in Study No. 6. These data are presented in numerical order by reach, with two pages per reach. The first column lists the reach numbers. The second column lists the year of the record. The eleventh column lists the study number. The twelfth column lists a number used in the data processing system. All values are in acre-feet.

TABLE 6 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
WATER REMAINING	5	24	143593	5049					8444	157086	6 137
AVAILABLE	5	25	394430	262191					1873	658494	6 137
IN FEATHER RIVER R5	5	26	470153	103396					3627	577176	6 137
SACTO R TO BEAR R	5	27	615122	461800	207247				24687	1308856	6 137
AFTER ESTIMATION OF	5	28	449396	230958					11169	691523	6 137
ENTITLEMENTS FOR	5	29	174114	59678					16744	250536	6 137
ALL ASSUMED LOCAL	5	30	284565	154647					34076	473288	6 137
ALLOWANCES	5	31	127143	22271					5654	155068	6 137
PRIOR TO 1963 AND	5	32	292540	342717	168659				6045	809961	6 137
ALL STATE ALLOWANCES	5	33	179510	99678	91082				4306	374576	6 137
IN ACRE-FEET	5	34	164287	20180					1873	186340	6 137
	5	35	647002	361147	124961				19579	1152689	6 137
	5	36	445995	307897	94568				16956	865416	6 137
	5	37	364521	335978	60112				11266	771877	6 137
	5	38	1406026	1334609	660034			5046	33340	3439055	6 137
	5	39	202225	24479					1873	228577	6 137
	5	40	623040	270978					2421	896439	6 137
	5	41	406844	799085	111807				4108	1321844	6 137
	5	42	711383	628470	340519				6603	1686975	6 137
	5	43	690851	193347	41665				26133	951996	6 137
	5	44	155506	163968					9635	329109	6 137
	5	45	254563	246048	41085				15616	557312	6 137

TABLE 6 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL		
5	46	311102	255727					6750	573579	6	137
5	47	170202	787					21980	192969	6	137
5	48	462939	335257	158607				12060	968863	6	137
5	49	293822	169467					1873	465162	6	137
5	50	396940	325230	89504				7728	819402	6	137
5	51	286682	243060					16097	545839	6	137
5	52	1577663	1694227	660176	47194			21423	4000683	6	137
5	53	420544	396724	335035			1354	20467	1174124	6	137
5	54	501206	138155				664	11321	651346	6	137
5	55	98302	156378					1873	256553	6	137
5	56	376337	811456	210009	409		5266	17799	1421276	6	137
5	57	178095	336099	94561			1209	180940	790904	6	137
5	58	1334767	844544	423799				12957	2616067	6	137
5	59	118340	20349					13596	152285	6	137
5	60	216873	94084					1873	312830	6	137
5	61	119062	54174					1873	175109	6	137
5	62	327406	170926	50777				1222261	1771370	6	137
5	TOT	16393091	12475215	3964207	47603		13539	1838899	34732554	6	137
5	AVG	420336	319877	101646	1221		347	47151	890578	6	137

TABLE 6 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
WATER REMAINING	6	24	509							509	6 137
AVAILABLE	6	25	48459							48459	6 137
IN BEAR RIVER R6	6	26	64659							64659	6 137
BELOW CFW RES	6	27	85559						4963	90522	6 137
AFTER ESTIMATION OF	6	28	39359						3453	42812	6 137
ENTITLEMENTS FOR	6	29	6489						7643	14132	6 137
ALL ASSUMED LOCAL	6	30	30939						16843	47782	6 137
ALLOWANCES	6	31									6 137
PRIOR TO 1963 AND	6	32	31339	13039					1303	45681	6 137
ALL STATE ALLOWANCES	6	33							2433	2433	6 137
IN ACRE-FEET	6	34	11839							11839	6 137
	6	35	113539	5469					10763	129771	6 137
	6	36	53479	4019						57498	6 137
	6	37	47339							47339	6 137
	6	38	81139	15289					4883	101311	6 137
	6	39	1829							1829	6 137
	6	40	62579							62579	6 137
	6	41	82849	14429						97278	6 137
	6	42	93079	38849						131928	6 137
	6	43	38269	2539						40808	6 137
	6	44	14939							14939	6 137
	6	45	43919						343	44262	6 137

TABLE 6 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
6	46	30659	2429						33088	6 137
6	47	24399						913	25312	6 137
6	48	85759	26169						111928	6 137
6	49	33829							33829	6 137
6	50	38799						283	39082	6 137
6	51	40889	6019					3	46911	6 137
6	52	71789	11339						83128	6 137
6	53	46189	9219					1823	57231	6 137
6	54	38489							38489	6 137
6	55	3789							3789	6 137
6	56	24527	13227					1945	39699	6 137
6	57	24548	31611					152	56311	6 137
6	58	149559	3935						153494	6 137
6	59									6 137
6	60	15809							15809	6 137
6	61	3769							3769	6 137
6	62	21520						79843	101363	6 137
6	TOT	1606432	197581					137589	1941602	6 137
6	AVG	41191	5066					3528	49785	6 137

TABLE 6 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
WATER REMAINING	7	24	143593	5049					8444	157086	6 137
AVAILABLE	7	25	347010	262191					1873	611074	6 137
IN FEATHER RIVER R7	7	26	406533	103396					3627	513556	6 137
BEAR R TO JACK S1	7	27	530602	461800	207247				20761	1220410	6 137
AFTER ESTIMATION OF	7	28	411076	230958					8753	650787	6 137
ENTITLEMENTS FOR	7	29	168664	59678					10138	238480	6 137
ALL ASSUMED LOCAL	7	30	254665	154647					18270	427582	6 137
ALLOWANCES	7	31	127143	22271					5654	155068	6 137
PRIOR TO 1963 AND	7	32	262240	333297	168659				5779	769975	6 137
ALL STATE ALLOWANCES	7	33	179510	99678	91082				2910	373180	6 137
IN ACRE-FEET	7	34	153487	20180					1873	175540	6 137
	7	35	534502	359297	124961				9853	1028613	6 137
	7	36	393555	307497	94568				16956	812576	6 137
	7	37	318221	335978	60112				11266	725577	6 137
	7	38	1325926	1322939	660034			5046	29494	3343439	6 137
	7	39	201435	24479					1873	227787	6 137
	7	40	561500	270978					2421	834899	6 137
	7	41	325034	788275	111807				4108	1229224	6 137
	7	42	619343	593240	340519				6603	1559705	6 137
	7	43	653621	193347	41665				26133	914766	6 137
	7	44	141606	163968					9635	315209	6 137
	7	45	211683	246048	41085				15616	514432	6 137

TABLE 6 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
7	46	281482	255727					6750	543959	6 137
7	47	146842	787					21980	169609	6 137
7	48	378219	312707	158607				12060	861593	6 137
7	49	261032	169467					1873	432372	6 137
7	50	359180	325230	89504				7728	781642	6 137
7	51	246832	240660					16097	503589	6 137
7	52	1506913	1686507	660176	47194			21423	3922213	6 137
7	53	375394	391124	335035			1354	19681	1122588	6 137
7	54	463756	138155				664	11321	613896	6 137
7	55	95552	156378					1873	253803	6 137
7	56	352849	801848	210009	409		5266	16891	1387272	6 137
7	57	154586	308107	94561			1209	180940	739403	6 137
7	58	1186247	844228	423799				12957	2467231	6 137
7	59	118340	20349					13596	152285	6 137
7	60	202103	94084					1873	298060	6 137
7	61	116332	54174					1873	172379	6 137
7	62	306925	170926	50777				1143455	1672083	6 137
7	TOT	14823533	12329649	3964207	47603		13539	1714411	32892942	6 137
7	AVG	380091	316145	101646	1221		347	43959	843409	6 137

TABLE 6 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
WATER REMAINING	8	24	54412						3025	57437	6 137
AVAILABLE	8	25	303712	262191						565903	6 137
IN YUBA RIVER R8	8	26	368712	97840						466552	6 137
BELOW SMARTVILLE	8	27	530602	403840	205261					1139703	6 137
AFTER ESTIMATION OF	8	28	385712	230840						616552	6 137
ENTITLEMENTS FOR	8	29	94712	59678						154390	6 137
ALL ASSUMED LOCAL	8	30	217712	101840						319552	6 137
ALLOWANCES	8	31	35912							35912	6 137
PRIOR TO 1963 AND	8	32	220712	333297	154261					708270	6 137
ALL STATE ALLOWANCES	8	33	110712	99678	69261					279651	6 137
IN ACRE-FEET	8	34	74712							74712	6 137
	8	35	534502	359297	124961					1018760	6 137
	8	36	369212	307497	91461					768170	6 137
	8	37	296912	335978	60112					693002	6 137
	8	38	487212	642840	372761				5065	1507878	6 137
	8	39	127012							127012	6 137
	8	40	408512	270978						679490	6 137
	8	41	317212	475140	88361					880713	6 137
	8	42	432392	404000	263621					1100013	6 137
	8	43	400002	193347	41665				14766	649780	6 137
	8	44	126042	163968					4216	294226	6 137
	8	45	199592	246048	41085				1435	488160	6 137

TABLE 6 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL		
8	46	281482	255727					405	537614	6	137
8	47	146842	787					4585	152214	6	137
8	48	375092	312707	158607					846406	6	137
8	49	261032	169467						430499	6	137
8	50	334422	305760	80722				2026	722930	6	137
8	51	245212	226370					10675	482257	6	137
8	52	551142	742870	416029	47194			16004	1773239	6	137
8	53	263942	254140	260241				13225	791548	6	137
8	54	340122	138155						478277	6	137
8	55	95552	156378						251930	6	137
8	56	204832	431780	169630				10435	816677	6	137
8	57	136202	308107	69131				5475	518915	6	137
8	58	495692	587280	265911				4067	1352950	6	137
8	59	105972	10300						116272	6	137
8	60	188602	88030						276632	6	137
8	61	107662	54174						161836	6	137
8	62	288862	165630	50103				281765	786360	6	137
8	TOT	10518888	9195959	2983184	47194			377169	23122394	6	137
8	AVG	269715	235794	76492	1210			9671	592882	6	137

TABLE 6 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
WATER REMAINING	9	24									6 137
AVAILABLE	9	25									6 137
IN FEATHER RIVER R9	9	26	41931							41931	6 137
JACK S1 TO OROVILLE	9	27		68122						68122	6 137
AFTER ESTIMATION OF	9	28									6 137
ENTITLEMENTS FOR	9	29									6 137
ALL ASSUMED LOCAL	9	30									6 137
ALLOWANCES	9	31									6 137
PRIOR TO 1963 AND	9	32									6 137
ALL STATE ALLOWANCES	9	33									6 137
IN ACRE-FEET	9	34									6 137
	9	35									6 137
	9	36									6 137
	9	37									6 137
	9	38	842824	686642	275450					1804916	6 137
	9	39									6 137
	9	40	157098							157098	6 137
	9	41	10837	319678						330515	6 137
	9	42	191061	195783	89194					476038	6 137
	9	43	257729							257729	6 137
	9	44									6 137
	9	45									6 137

TABLE 6 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
9	46									6 137
9	47									6 137
9	48	7237							7237	6 137
9	49									6 137
9	50		24733						24733	6 137
9	51									6 137
9	52	959881	950180	226528					2136589	6 137
9	53	103286	110393	87090					300769	6 137
9	54	127744							127744	6 137
9	55									6 137
9	56	60105	376611						436716	6 137
9	57									6 137
9	58	655836	263491	139539					1058866	6 137
9	59									6 137
9	60									6 137
9	61									6 137
9	62							622761	622761	6 137
9	TOT	3415569	2995633	817801				622761	7851764	6 137
9	AVG	87579	76811	20969				15968	201327	6 137

TABLE 6 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
WATER REMAINING	10	24									6 137
AVAILABLE	10	25									6 137
IN FEATHER RIVER R10	10	26									6 137
AT OROVILLE	10	27		68122						68122	6 137
AFTER ESTIMATION OF	10	28									6 137
ENTITLEMENTS FOR	10	29									6 137
ALL ASSUMED LOCAL	10	30									6 137
ALLOWANCES	10	31									6 137
PRIOR TO 1963 AND	10	32									6 137
ALL STATE ALLOWANCES	10	33									6 137
IN ACRE-FEET	10	34									6 137
	10	35									6 137
	10	36									6 137
	10	37									6 137
	10	38	842824	686642	275450					1804916	6 137
	10	39									6 137
	10	40	157098							157098	6 137
	10	41	10837	319678						330515	6 137
	10	42	191061	195783	89194					476038	6 137
	10	43	257729							257729	6 137
	10	44									6 137
	10	45									6 137

TABLE 6 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
10	46									6 137
10	47									6 137
10	48	7237							7237	6 137
10	49									6 137
10	50		24733						24733	6 137
10	51									6 137
10	52	869951	950180	226528					2046659	6 137
10	53	103286	110393	87090					300769	6 137
10	54	127744							127744	6 137
10	55									6 137
10	56	60105	376611						436716	6 137
10	57									6 137
10	58	557893	263491	139539					960923	6 137
10	59									6 137
10	60									6 137
10	61									6 137
10	62							602601	602601	6 137
10	TOT	3185765	2995633	817801				602601	7601800	6 137
10	AVG	81686	76811	20969				15451	194918	6 137

TABLE 6 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
WATER REMAINING	11	24									6 137
AVAILABLE	11	25									6 137
IN WB FEATHER RIVER	11	26									6 137
R11 AT YANKEE HILL	11	27		39298						39298	6 137
AFTER ESTIMATION OF	11	28									6 137
ENTITLEMENTS FOR	11	29									6 137
ALL ASSUMED LOCAL	11	30									6 137
ALLOWANCES	11	31									6 137
PRIOR TO 1963 AND	11	32									6 137
ALL STATE ALLOWANCES	11	33									6 137
IN ACRE-FEET	11	34									6 137
	11	35									6 137
	11	36									6 137
	11	37									6 137
	11	38	66427	86776	40782					193985	6 137
	11	39									6 137
	11	40	46925							46925	6 137
	11	41	10837	65882						76719	6 137
	11	42	60327	54170	30039					144536	6 137
	11	43	47729							47729	6 137
	11	44									6 137
	11	45									6 137

TABLE 6 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
11	46									6 137
11	47									6 137
11	48	7237							7237	6 137
11	49									6 137
11	50		24733						24733	6 137
11	51									6 137
11	52	73823	88945	35057					197825	6 137
11	53	48413	47063	35793					131269	6 137
11	54	78487							78487	6 137
11	55									6 137
11	56	32424	54374						86798	6 137
11	57									6 137
11	58	71447	71842	44697					187986	6 137
11	59									6 137
11	60									6 137
11	61									6 137
11	62							48525	48525	6 137
11	TOT	544076	533083	186368				48525	1312052	6 137
11	AVG	13951	13669	4779				1244	33642	6 137

TABLE 6 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
WATER REMAINING	12	24									6 137
AVAILABLE	12	25									6 137
IN NF FEATHER RIVER	12	26									6 137
R12 AT PRATTVILLE	12	27		9130						9130	6 137
AFTER ESTIMATION OF	12	28									6 137
ENTITLEMENTS FOR	12	29									6 137
ALL ASSUMED LOCAL	12	30									6 137
ALLOWANCES	12	31									6 137
PRIOR TO 1963 AND	12	32									6 137
ALL STATE ALLOWANCES	12	33									6 137
IN ACRE-FEET	12	34									6 137
	12	35									6 137
	12	36									6 137
	12	37									6 137
	12	38	154490	145610	114710					414810	6 137
	12	39									6 137
	12	40	122280							122280	6 137
	12	41	10837	148670						159507	6 137
	12	42	59230	109960	74340					243530	6 137
	12	43	100670							100670	6 137
	12	44									6 137
	12	45									6 137

TABLE 6 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
12	46									6 137
12	47									6 137
12	48	6070							6070	6 137
12	49									6 137
12	50		24733						24733	6 137
12	51									6 137
12	52	108530	40170	61960					210660	6 137
12	53	55350	61490	67510					184350	6 137
12	54	44460							44460	6 137
12	55									6 137
12	56	47980	73070						121050	6 137
12	57									6 137
12	58	117930	65520	109203					292653	6 137
12	59									6 137
12	60									6 137
12	61									6 137
12	62							88907	88907	6 137
12	TOT	827827	678353	427723				88907	2022810	6 137
12	AVG	21226	17394	10967				2280	51867	6 137

TABLE 6 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
WATER REMAINING	13	24									6 137
AVAILABLE	13	25									6 137
IN SF FEATHER RIVER	13	26									6 137
R13 AT ENTERPRISE	13	27		10380						10380	6 137
AFTER ESTIMATION OF	13	28									6 137
ENTITLEMENTS FOR	13	29									6 137
ALL ASSUMED LOCAL	13	30									6 137
ALLOWANCES	13	31									6 137
PRIOR TO 1963 AND	13	32									6 137
ALL STATE ALLOWANCES	13	33									6 137
IN ACRE-FEET	13	34									6 137
	13	35									6 137
	13	36									6 137
	13	37									6 137
	13	38	27915	48509	21666					98090	6 137
	13	39									6 137
	13	40	14812							14812	6 137
	13	41	10837	25957						36794	6 137
	13	42	21785	15108	9682					46575	6 137
	13	43	15791							15791	6 137
	13	44									6 137
	13	45									6 137

TABLE 6 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
13	46									6 137
13	47									6 137
13	48	7237							7237	6 137
13	49									6 137
13	50		13871						13871	6 137
13	51									6 137
13	52	40080	63694	26268					130042	6 137
13	53	16158	13469	13584					43211	6 137
13	54	28983							28983	6 137
13	55									6 137
13	56	16486	20292						36778	6 137
13	57									6 137
13	58	41052	56229	20141					117422	6 137
13	59									6 137
13	60									6 137
13	61									6 137
13	62							40506	40506	6 137
13	TOT	241136	267509	91341				40506	640492	6 137
13	AVG	6183	6859	2342				1039	16423	6 137

TABLE 6 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
WATER REMAINING	14	24									6 137
AVAILABLE	14	25									6 137
IN SF FEATHER RIVER	14	26									6 137
R14 NEAR LA PORTE	14	27									6 137
AFTER ESTIMATION OF	14	28									6 137
ENTITLEMENTS FOR	14	29									6 137
ALL ASSUMED LOCAL	14	30									6 137
ALLOWANCES	14	31									6 137
PRIOR TO 1963 AND	14	32									6 137
ALL STATE ALLOWANCES	14	33									6 137
IN ACRE-FEET	14	34									6 137
	14	35									6 137
	14	36									6 137
	14	37									6 137
	14	38		7781	701					8482	6 137
	14	39									6 137
	14	40									6 137
	14	41		1347						1347	6 137
	14	42									6 137
	14	43									6 137
	14	44									6 137
	14	45									6 137

TABLE 6 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
14	46									6 137
14	47									6 137
14	48									6 137
14	49									6 137
14	50									6 137
14	51									6 137
14	52	844	11959	1612					14415	6 137
14	53									6 137
14	54									6 137
14	55									6 137
14	56		1678						1678	6 137
14	57									6 137
14	58									6 137
14	59									6 137
14	60									6 137
14	61									6 137
14	62									6 137
14	TOT	844	22765	2313					25922	6 137
14	AVG	22	584	59					665	6 137

TABLE 6 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
WATER REMAINING	15	24									6 137
AVAILABLE	15	25									6 137
IN LOST CREEK R15	15	26									6 137
NEAR CLIPPER MILLS	15	27									6 137
AFTER ESTIMATION OF	15	28									6 137
ENTITLEMENTS FOR	15	29									6 137
ALL ASSUMED LOCAL	15	30									6 137
ALLOWANCES	15	31									6 137
PRIOR TO 1963 AND	15	32									6 137
ALL STATE ALLOWANCES	15	33									6 137
IN ACRE-FEET	15	34									6 137
	15	35									6 137
	15	36									6 137
	15	37									6 137
	15	38	3250	16555	5337					25142	6 137
	15	39									6 137
	15	40									6 137
	15	41		5028						5028	6 137
	15	42		1777	2372					4149	6 137
	15	43									6 137
	15	44									6 137
	15	45									6 137

TABLE 6 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
15	46									6 137
15	47									6 137
15	48									6 137
15	49									6 137
15	50									6 137
15	51									6 137
15	52	2594	17560	7691					27845	6 137
15	53		79	3069					3148	6 137
15	54									6 137
15	55									6 137
15	56		1248						1248	6 137
15	57									6 137
15	58		7195	2183					9378	6 137
15	59									6 137
15	60									6 137
15	61									6 137
15	62							25045	25045	6 137
15	TOT	5844	49442	20652				25045	100983	6 137
15	AVG	150	1268	530				642	2589	6 137

TABLE 6 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
WATER REMAINING	16	24									6 137
AVAILABLE	16	25									6 137
IN BUTT CREEK R16	16	26									6 137
AT BUTT VALLEY RES	16	27		9407						9407	6 137
AFTER ESTIMATION OF	16	28									6 137
ENTITLEMENTS FOR	16	29									6 137
ALL ASSUMED LOCAL	16	30									6 137
ALLOWANCES	16	31									6 137
PRIOR TO 1963 AND	16	32									6 137
ALL STATE ALLOWANCES	16	33									6 137
IN ACRE-FEET	16	34									6 137
	16	35									6 137
	16	36									6 137
	16	37									6 137
	16	38	14962	32060						47022	6 137
	16	39									6 137
	16	40	5722							5722	6 137
	16	41	10837	15177						26014	6 137
	16	42	18130	15382	1789					35301	6 137
	16	43	7872							7872	6 137
	16	44									6 137
	16	45									6 137

TABLE 6 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
16	46									6 137
16	47									6 137
16	48	7237							7237	6 137
16	49									6 137
16	50		11115						11115	6 137
16	51									6 137
16	52	12438	34190	7961					54589	6 137
16	53	15971	12172	8818					36961	6 137
16	54	18802							18802	6 137
16	55									6 137
16	56	19410	13881						33291	6 137
16	57									6 137
16	58	8280	31600	3480					43360	6 137
16	59									6 137
16	60									6 137
16	61									6 137
16	62							9350	9350	6 137
16	TOT	139661	174984	22048				9350	346043	6 137
16	AVG	3581	4487	565				240	8873	6 137

TABLE 6 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
WATER REMAINING	17	24									6 137
AVAILABLE	17	25									6 137
IN BUCKS CREEK R17	17	26									6 137
AT BUCKS LAKE	17	27									6 137
AFTER ESTIMATION OF	17	28									6 137
ENTITLEMENTS FOR	17	29									6 137
ALL ASSUMED LOCAL	17	30									6 137
ALLOWANCES	17	31									6 137
PRIOR TO 1963 AND	17	32									6 137
ALL STATE ALLOWANCES	17	33									6 137
IN ACRE-FEET	17	34									6 137
	17	35									6 137
	17	36									6 137
	17	37									6 137
	17	38									6 137
	17	39									6 137
	17	40									6 137
	17	41									6 137
	17	42									6 137
	17	43									6 137
	17	44									6 137
	17	45									6 137

TABLE 6 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
17	46									6 137
17	47									6 137
17	48									6 137
17	49									6 137
17	50									6 137
17	51									6 137
17	52									6 137
17	53									6 137
17	54									6 137
17	55									6 137
17	56									6 137
17	57									6 137
17	58									6 137
17	59									6 137
17	60									6 137
17	61									6 137
17	62									6 137
17	TOT									6 137
17	AVG									6 137

TABLE 6 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
WATER REMAINING	18	24									6 137
AVAILABLE	18	25									6 137
IN MF FEATHER RIVER	18	26									6 137
R18 AT NELSON POINT	18	27		68122						68122	6 137
AFTER ESTIMATION OF	18	28									6 137
ENTITLEMENTS FOR	18	29									6 137
ALL ASSUMED LOCAL	18	30									6 137
ALLOWANCES	18	31									6 137
PRIOR TO 1963 AND	18	32									6 137
ALL STATE ALLOWANCES	18	33									6 137
IN ACRE-FEET	18	34									6 137
	18	35									6 137
	18	36									6 137
	18	37									6 137
	18	38	362300	355300	133700					851300	6 137
	18	39									6 137
	18	40	142000							142000	6 137
	18	41	10837	102000						112837	6 137
	18	42	146700	94300	85800					326800	6 137
	18	43	120400							120400	6 137
	18	44									6 137
	18	45									6 137

TABLE 6 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
18	46									6 137
18	47									6 137
18	48									6 137
18	49									6 137
18	50		24733						24733	6 137
18	51									6 137
18	52	480000	269500	125700					875200	6 137
18	53	82200	82800	73700					238700	6 137
18	54	86000							86000	6 137
18	55									6 137
18	56	60105	144800						204905	6 137
18	57									6 137
18	58	201600	181600	83300					466500	6 137
18	59									6 137
18	60									6 137
18	61									6 137
18	62							104600	104600	6 137
18	TOT	1692142	1323155	502200				104600	3622097	6 137
18	AVG	43388	33927	12877				2682	92874	6 137

TABLE 6 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
WATER REMAINING	19	24									6 137
AVAILABLE	19	25									6 137
IN MF FEATHER RIVER	19	26									6 137
R19 NEAR CLIO	19	27		32800						32800	6 137
AFTER ESTIMATION OF	19	28									6 137
ENTITLEMENTS FOR	19	29									6 137
ALL ASSUMED LOCAL	19	30									6 137
ALLOWANCES	19	31									6 137
PRIOR TO 1963 AND	19	32									6 137
ALL STATE ALLOWANCES	19	33									6 137
IN ACRE-FEET	19	34									6 137
	19	35									6 137
	19	36									6 137
	19	37									6 137
	19	38	177100	118800	28900					324800	6 137
	19	39									6 137
	19	40	66500							66500	6 137
	19	41	10837	24300						35137	6 137
	19	42	80700	33400	16800					130900	6 137
	19	43	59800							59800	6 137
	19	44									6 137
	19	45									6 137

TABLE 6 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
19	46									6 137
19	47									6 137
19	48									6 137
19	49									6 137
19	50		20600						20600	6 137
19	51									6 137
19	52	341600	129300	35600					506500	6 137
19	53	35800	32400	16300					84500	6 137
19	54	29600							29600	6 137
19	55									6 137
19	56	60105	55400						115505	6 137
19	57									6 137
19	58	117900	69700	19900					207500	6 137
19	59									6 137
19	60									6 137
19	61									6 137
19	62							38450	38450	6 137
19	TOT	979942	516700	117500				38450	1652592	6 137
19	AVG	25127	13249	3013				986	42374	6 137

TABLE 7

AVAILABLE WATER REMAINING IN EACH
REACH AFTER CONSIDERATION OF ALL
ASSUMED RIGHTS AS DETERMINED IN STUDY NO. 7

Table 7 contains 30 pages tabulating the monthly and seasonal totals of the available water remaining as determined in Study No. 7. These data are presented in numerical order by reach, with two pages per reach. The first column lists the reach numbers. The second column lists the year of the record. The eleventh column lists the study number. The twelfth column lists a number used in the data processing system. All values are in acre-feet.

TABLE 7 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL		
WATER REMAINING	5	24	125279							125279	7	137
AVAILABLE	5	25	375347	250956						626303	7	137
IN FEATHER RIVER R5	5	26	409139	92161						501300	7	137
SACTO R TO BEAR R	5	27	596039	424953	202567				19631	1243190	7	137
AFTER ESTIMATION OF	5	28	430313	219723					5912	655948	7	137
ENTITLEMENTS FOR	5	29	155031	48443					7936	211410	7	137
ALL ASSUMED LOCAL	5	30	265482	143412					27613	436507	7	137
ALLOWANCES	5	31	109338	14113						123451	7	137
PRIOR TO 1963 AND	5	32	273457	330524	163979				788	768748	7	137
ALL STATE ALLOWANCES	5	33	161705	88443	86402					336550	7	137
IN ACRE-FEET	5	34	145204	12022						157226	7	137
	5	35	627919	348954	120281				14617	1111771	7	137
	5	36	426912	295704	89888				12895	825399	7	137
	5	37	345438	324743	55432				7198	732811	7	137
	5	38	1326297	1296804	630410				20927	3274438	7	137
	5	39	183142	16321						199463	7	137
	5	40	543311	259743						803054	7	137
	5	41	376924	761280	107127					1245331	7	137
	5	42	631654	590665	310895					1533214	7	137
	5	43	611122	181154	36985				10837	840098	7	137
	5	44	136423	152733						289156	7	137
	5	45	235480	234813	36405				6831	513529	7	137

TABLE 7 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
5	46	292019	243534						535553	7 137
5	47	151119						10045	161164	7 137
5	48	436619	323064	153927				7131	920741	7 137
5	49	274739	158232						432971	7 137
5	50	377857	289262	84824					751943	7 137
5	51	267599	230867					2148	500614	7 137
5	52	1497934	1656422	630552	45869			5718	3836495	7 137
5	53	340815	358919	305411				5361	1010506	7 137
5	54	421477	126920					5067	553464	7 137
5	55	79219	145143						224362	7 137
5	56	297149	773651	205329				3614	1279743	7 137
5	57	159012	323906	89881				168558	741357	7 137
5	58	1255038	806739	394175				1858	2457810	7 137
5	59	100535	9114					6209	115858	7 137
5	60	197790	82849						280639	7 137
5	61	99979	42939						142918	7 137
5	62	308323	159691	46097				1146629	1660740	7 137
5	TOT	15048179	11818916	3750567	45869			1497523	32161054	7 137
5	AVG	385851	303049	96168	1176			38398	824642	7 137

TABLE 7 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
WATER REMAINING	6	24									7 137
AVAILABLE	6	25	47181							47181	7 137
IN BEAR RIVER R6	6	26	63381							63381	7 137
BELOW CFW RES	6	27	84281						4645	88926	7 137
AFTER ESTIMATION OF	6	28	38081						3135	41216	7 137
ENTITLEMENTS FOR	6	29	5211						7325	12536	7 137
ALL ASSUMED LOCAL	6	30	29661						16525	46186	7 137
ALLOWANCES	6	31									7 137
PRIOR TO 1963 AND	6	32	30061	12081					788	42930	7 137
ALL STATE ALLOWANCES	6	33									7 137
IN ACRE-FEET	6	34	10561							10561	7 137
	6	35	112261	4511					10445	127217	7 137
	6	36	52201	3061						55262	7 137
	6	37	46061							46061	7 137
	6	38	79861	14331					4565	98757	7 137
	6	39	551							551	7 137
	6	40	61301							61301	7 137
	6	41	81571	13471						95042	7 137
	6	42	91801	37891						129692	7 137
	6	43	36991	1581						38572	7 137
	6	44	13661							13661	7 137
	6	45	42641						25	42666	7 137

TABLE 7 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
6	46	29381	1471						30852	7 137
6	47	23121						595	23716	7 137
6	48	84481	25211						109692	7 137
6	49	32551							32551	7 137
6	50	37521							37521	7 137
6	51	39611	5061						44672	7 137
6	52	70511	10381						80892	7 137
6	53	44911	8261					1505	54677	7 137
6	54	37211							37211	7 137
6	55	2511							2511	7 137
6	56	23249	12269					1627	37145	7 137
6	57	23270	30653						53923	7 137
6	58	148281	2977						151258	7 137
6	59									7 137
6	60	14531							14531	7 137
6	61	2491							2491	7 137
6	62	20242						79525	99767	7 137
6	TOT	1561193	183211					130705	1875109	7 137
6	AVG	40031	4698					3351	48080	7 137

TABLE 7 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
WATER REMAINING	7	24	125279							125279	7 137
AVAILABLE	7	25	331131	250956						582087	7 137
IN FEATHER RIVER R7	7	26	348723	92161						440884	7 137
BEAR R TO JACK S1	7	27	514723	424953	202567				19631	1161874	7 137
AFTER ESTIMATION OF	7	28	395197	219723					5912	620832	7 137
ENTITLEMENTS FOR	7	29	152785	48443					5671	206899	7 137
ALL ASSUMED LOCAL	7	30	238786	143412					16148	398346	7 137
ALLOWANCES	7	31	109338	14113						123451	7 137
PRIOR TO 1963 AND	7	32	246361	327378	163979				788	738506	7 137
ALL STATE ALLOWANCES	7	33	161705	88443	86402					336550	7 137
IN ACRE-FEET	7	34	137608	12022						149630	7 137
	7	35	518623	348954	120281				9232	997090	7 137
	7	36	377676	295704	89888				12895	776163	7 137
	7	37	302342	324743	55432				7198	689715	7 137
	7	38	1249401	1291408	630410				20927	3192146	7 137
	7	39	183142	16321						199463	7 137
	7	40	484975	259743						744718	7 137
	7	41	298318	756744	107127					1162189	7 137
	7	42	542818	561709	310895					1415422	7 137
	7	43	577096	181154	36985				10837	806072	7 137
	7	44	125727	152733						278460	7 137
	7	45	195804	234813	36405				6831	473853	7 137

TABLE 7 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
7	46	265603	243534						509137	7 137
7	47	130963						10045	141008	7 137
7	48	355103	306788	153927				7131	822949	7 137
7	49	245153	158232						403385	7 137
7	50	343301	289262	84824					717387	7 137
7	51	230953	230867					2148	463968	7 137
7	52	1430388	1654976	630552	45869			5718	3767503	7 137
7	53	298869	358919	305411				5361	968560	7 137
7	54	387231	126920					5067	519218	7 137
7	55	79219	145143						224362	7 137
7	56	276865	770317	205329				3614	1256125	7 137
7	57	138707	302188	89881				168558	699334	7 137
7	58	1109722	806739	394175				1858	2312494	7 137
7	59	100535	9114					6209	115858	7 137
7	60	186224	82849						269073	7 137
7	61	99979	42939						142918	7 137
7	62	291046	159691	46097				1072164	1568998	7 137
7	TOT	13587419	11734108	3750567	45869			1403943	30521906	7 137
7	AVG	348395	300875	96168	1176			35999	782613	7 137

TABLE 7 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL		
WATER REMAINING	8	24	44641							44641	7	137
AVAILABLE	8	25	293941	250956						544897	7	137
IN YUBA RIVER R8	8	26	348723	92161						440884	7	137
BELOW SMARTVILLE	8	27	514723	400413	202567					1117703	7	137
AFTER ESTIMATION OF	8	28	375941	219723						595664	7	137
ENTITLEMENTS FOR	8	29	84941	48443						133384	7	137
ALL ASSUMED LOCAL	8	30	207941	98413						306354	7	137
ALLOWANCES	8	31	26141							26141	7	137
PRIOR TO 1963 AND	8	32	210941	327378	152809					691128	7	137
ALL STATE ALLOWANCES	8	33	100941	88443	67809					257193	7	137
IN ACRE-FEET	8	34	64941							64941	7	137
	8	35	518623	348954	120281					987858	7	137
	8	36	359441	295704	89888					745033	7	137
	8	37	287141	324743	55432					667316	7	137
	8	38	477441	639413	371309					1488163	7	137
	8	39	117241							117241	7	137
	8	40	398741	259743						658484	7	137
	8	41	298318	471713	86909					856940	7	137
	8	42	422621	400573	262169					1085363	7	137
	8	43	390231	181154	36985					608370	7	137
	8	44	116271	152733						269004	7	137
	8	45	189821	234813	36405					461039	7	137

TABLE 7 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
8	46	265603	243534						509137	7 137
8	47	130963							130963	7 137
8	48	355103	306788	153927					815818	7 137
8	49	245153	158232						403385	7 137
8	50	324651	289262	79270					693183	7 137
8	51	230953	222943						453896	7 137
8	52	541371	739443	414577	45869				1741260	7 137
8	53	254171	250713	258789					763673	7 137
8	54	330351	126920						457271	7 137
8	55	79219	145143						224362	7 137
8	56	195061	428353	168178					791592	7 137
8	57	126431	302188	67679					496298	7 137
8	58	485921	583853	264459					1334233	7 137
8	59	96201	6873						103074	7 137
8	60	178831	82849						261680	7 137
8	61	97891	42939						140830	7 137
8	62	279091	159691	46097				265712	750591	7 137
8	TOT	10066670	8925197	2935539	45869			265712	22238987	7 137
8	AVG	258120	228851	75270	1176			6813	570230	7 137

TABLE 7 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
WATER REMAINING	9	24									7 137
AVAILABLE	9	25									7 137
IN FEATHER RIVER R9	9	26									7 137
JACK S1 TO OROVILLE	9	27		42510						42510	7 137
AFTER ESTIMATION OF	9	28									7 137
ENTITLEMENTS FOR	9	29									7 137
ALL ASSUMED LOCAL	9	30									7 137
ALLOWANCES	9	31									7 137
PRIOR TO 1963 AND	9	32									7 137
ALL STATE ALLOWANCES	9	33									7 137
IN ACRE-FEET	9	34									7 137
	9	35									7 137
	9	36									7 137
	9	37									7 137
	9	38	782178	661030	250506					1693714	7 137
	9	39									7 137
	9	40	96452							96452	7 137
	9	41		294066						294066	7 137
	9	42	130415	170171	64250					364836	7 137
	9	43	197083							197083	7 137
	9	44									7 137
	9	45									7 137

TABLE 7 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
9	46									7 137
9	47									7 137
9	48									7 137
9	49									7 137
9	50									7 137
9	51									7 137
9	52	899235	924568	201584					2025387	7 137
9	53	42640	84781	62146					189567	7 137
9	54	67098							67098	7 137
9	55									7 137
9	56		350999						350999	7 137
9	57									7 137
9	58	595190	237879	114595					947664	7 137
9	59									7 137
9	60									7 137
9	61									7 137
9	62							563168	563168	7 137
9	TOT	2810291	2766004	693081				563168	6832544	7 137
9	AVG	72059	70923	17771				14440	175193	7 137

TABLE 7 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
WATER REMAINING	10	24									7 137
AVAILABLE	10	25									7 137
IN FEATHER RIVER R10	10	26									7 137
AT OROVILLE	10	27		42510						42510	7 137
AFTER ESTIMATION OF	10	28									7 137
ENTITLEMENTS FOR	10	29									7 137
ALL ASSUMED LOCAL	10	30									7 137
ALLOWANCES	10	31									7 137
PRIOR TO 1963 AND	10	32									7 137
ALL STATE ALLOWANCES	10	33									7 137
IN ACRE-FEET	10	34									7 137
	10	35									7 137
	10	36									7 137
	10	37									7 137
	10	38	782178	661030	250506					1693714	7 137
	10	39									7 137
	10	40	96452							96452	7 137
	10	41		294066						294066	7 137
	10	42	130415	170171	64250					364836	7 137
	10	43	197083							197083	7 137
	10	44									7 137
	10	45									7 137

TABLE 7 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
10	46									7 137
10	47									7 137
10	48									7 137
10	49									7 137
10	50									7 137
10	51									7 137
10	52	869951	924568	201584					1996103	7 137
10	53	42640	84781	62146					189567	7 137
10	54	67098							67098	7 137
10	55									7 137
10	56		350999						350999	7 137
10	57									7 137
10	58	557893	237879	114595					910367	7 137
10	59									7 137
10	60									7 137
10	61									7 137
10	62							563168	563168	7 137
10	TOT	2743710	2766004	693081				563168	6765963	7 137
10	AVG	70352	70923	17771				14440	173486	7 137

TABLE 7 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
WATER REMAINING	11	24									7 137
AVAILABLE	11	25									7 137
IN WB FEATHER RIVER	11	26									7 137
R11 AT YANKEE HILL	11	27		39298						39298	7 137
AFTER ESTIMATION OF	11	28									7 137
ENTITLEMENTS FOR	11	29									7 137
ALL ASSUMED LOCAL	11	30									7 137
ALLOWANCES	11	31									7 137
PRIOR TO 1963 AND	11	32									7 137
ALL STATE ALLOWANCES	11	33									7 137
IN ACRE-FEET	11	34									7 137
	11	35									7 137
	11	36									7 137
	11	37									7 137
	11	38	66427	86776	40782					193985	7 137
	11	39									7 137
	11	40	46925							46925	7 137
	11	41		65882						65882	7 137
	11	42	60327	54170	30039					144536	7 137
	11	43	47729							47729	7 137
	11	44									7 137
	11	45									7 137

TABLE 7 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
11	46									7 137
11	47									7 137
11	48									7 137
11	49									7 137
11	50									7 137
11	51									7 137
11	52	73823	88945	35057					197825	7 137
11	53	42640	47063	35793					125496	7 137
11	54	67098							67098	7 137
11	55									7 137
11	56		54374						54374	7 137
11	57									7 137
11	58	71447	71842	44697					187986	7 137
11	59									7 137
11	60									7 137
11	61									7 137
11	62							48525	48525	7 137
11	TOT	476416	508350	186368				48525	1219659	7 137
11	AVG	12216	13035	4779				1244	31273	7 137

TABLE 7 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
WATER REMAINING	12	24									7 137
AVAILABLE	12	25									7 137
IN NF FEATHER RIVER	12	26									7 137
R12 AT PRATTVILLE	12	27		9130						9130	7 137
AFTER ESTIMATION OF	12	28									7 137
ENTITLEMENTS FOR	12	29									7 137
ALL ASSUMED LOCAL	12	30									7 137
ALLOWANCES	12	31									7 137
PRIOR TO 1963 AND	12	32									7 137
ALL STATE ALLOWANCES	12	33									7 137
IN ACRE-FEET	12	34									7 137
	12	35									7 137
	12	36									7 137
	12	37									7 137
	12	38	154490	145610	114710					414810	7 137
	12	39									7 137
	12	40	96452							96452	7 137
	12	41		148670						148670	7 137
	12	42	59230	109960	64250					233440	7 137
	12	43	100670							100670	7 137
	12	44									7 137
	12	45									7 137

TABLE 7 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
12	46									7 137
12	47									7 137
12	48									7 137
12	49									7 137
12	50									7 137
12	51									7 137
12	52	108530	40170	61960					210660	7 137
12	53	42640	61490	62146					166276	7 137
12	54	44460							44460	7 137
12	55									7 137
12	56		73070						73070	7 137
12	57									7 137
12	58	117930	65520	109203					292653	7 137
12	59									7 137
12	60									7 137
12	61									7 137
12	62							88907	88907	7 137
12	TOT	724402	653620	412269				88907	1879198	7 137
12	AVG	18574	16759	10571				2280	48185	7 137

TABLE 7 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
WATER REMAINING	13	24									7 137
AVAILABLE	13	25									7 137
IN SF FEATHER RIVER	13	26									7 137
R13 AT ENTERPRISE	13	27		10380						10380	7 137
AFTER ESTIMATION OF	13	28									7 137
ENTITLEMENTS FOR	13	29									7 137
ALL ASSUMED LOCAL	13	30									7 137
ALLOWANCES	13	31									7 137
PRIOR TO 1963 AND	13	32									7 137
ALL STATE ALLOWANCES	13	33									7 137
IN ACRE-FEET	13	34									7 137
	13	35									7 137
	13	36									7 137
	13	37									7 137
	13	38	27915	48509	21666					98090	7 137
	13	39									7 137
	13	40	14812							14812	7 137
	13	41		25957						25957	7 137
	13	42	21785	15108	9682					46575	7 137
	13	43	15791							15791	7 137
	13	44									7 137
	13	45									7 137

TABLE 7 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
13	46									7 137
13	47									7 137
13	48									7 137
13	49									7 137
13	50									7 137
13	51									7 137
13	52	40080	63694	26268					130042	7 137
13	53	16158	13469	13584					43211	7 137
13	54	28983							28983	7 137
13	55									7 137
13	56		20292						20292	7 137
13	57									7 137
13	58	41052	56229	20141					117422	7 137
13	59									7 137
13	60									7 137
13	61									7 137
13	62							40506	40506	7 137
13	TOT	206576	253638	91341				40506	592061	7 137
13	AVG	5297	6504	2342				1039	15181	7 137

TABLE 7 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
WATER REMAINING	14	24									7 137
AVAILABLE	14	25									7 137
IN SF FEATHER RIVER	14	26									7 137
R14 NEAR LA PORTE	14	27									7 137
AFTER ESTIMATION OF	14	28									7 137
ENTITLEMENTS FOR	14	29									7 137
ALL ASSUMED LOCAL	14	30									7 137
ALLOWANCES	14	31									7 137
PRIOR TO 1963 AND	14	32									7 137
ALL STATE ALLOWANCES	14	33									7 137
IN ACRE-FEET	14	34									7 137
	14	35									7 137
	14	36									7 137
	14	37									7 137
	14	38		7781	701					8482	7 137
	14	39									7 137
	14	40									7 137
	14	41		1347						1347	7 137
	14	42									7 137
	14	43									7 137
	14	44									7 137
	14	45									7 137

TABLE 7 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
14	46									7 137
14	47									7 137
14	48									7 137
14	49									7 137
14	50									7 137
14	51									7 137
14	52	844	11959	1612					14415	7 137
14	53									7 137
14	54									7 137
14	55									7 137
14	56		1678						1678	7 137
14	57									7 137
14	58									7 137
14	59									7 137
14	60									7 137
14	61									7 137
14	62									7 137
14	TOT	844	22765	2313					25922	7 137
14	AVG	22	584	59					665	7 137

TABLE 7 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
WATER REMAINING	15	24									7 137
AVAILABLE	15	25									7 137
IN LOST CREEK R15	15	26									7 137
NEAR CLIPPER MILLS	15	27									7 137
AFTER ESTIMATION OF	15	28									7 137
ENTITLEMENTS FOR	15	29									7 137
ALL ASSUMED LOCAL	15	30									7 137
ALLOWANCES	15	31									7 137
PRIOR TO 1963 AND	15	32									7 137
ALL STATE ALLOWANCES	15	33									7 137
IN ACRE-FEET	15	34									7 137
	15	35									7 137
	15	36									7 137
	15	37									7 137
	15	38	3250	16555	5337					25142	7 137
	15	39									7 137
	15	40									7 137
	15	41		5028						5028	7 137
	15	42		1777	2372					4149	7 137
	15	43									7 137
	15	44									7 137
	15	45									7 137

TABLE 7 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
15	46									7 137
15	47									7 137
15	48									7 137
15	49									7 137
15	50									7 137
15	51									7 137
15	52	2594	17560	7691					27845	7 137
15	53		79	3069					3148	7 137
15	54									7 137
15	55									7 137
15	56		1248						1248	7 137
15	57									7 137
15	58		7195	2183					9378	7 137
15	59									7 137
15	60									7 137
15	61									7 137
15	62							25045	25045	7 137
15	TOT	5844	49442	20652				25045	100983	7 137
15	AVG	150	1268	530				642	2589	7 137

TABLE 7 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
WATER REMAINING	16	24									7 137
AVAILABLE	16	25									7 137
IN BUTT CREEK R16	16	26									7 137
AT BUTT VALLEY RES	16	27		9407						9407	7 137
AFTER ESTIMATION OF	16	28									7 137
ENTITLEMENTS FOR	16	29									7 137
ALL ASSUMED LOCAL	16	30									7 137
ALLOWANCES	16	31									7 137
PRIOR TO 1963 AND	16	32									7 137
ALL STATE ALLOWANCES	16	33									7 137
IN ACRE-FEET	16	34									7 137
	16	35									7 137
	16	36									7 137
	16	37									7 137
	16	38	14962	32060						47022	7 137
	16	39									7 137
	16	40	5722							5722	7 137
	16	41		15177						15177	7 137
	16	42	18130	15382	1789					35301	7 137
	16	43	7872							7872	7 137
	16	44									7 137
	16	45									7 137

TABLE 7 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
16	46									7 137
16	47									7 137
16	48									7 137
16	49									7 137
16	50									7 137
16	51									7 137
16	52	12438	34190	7961					54589	7 137
16	53	15971	12172	8818					36961	7 137
16	54	18802							18802	7 137
16	55									7 137
16	56		13881						13881	7 137
16	57									7 137
16	58	8280	31600	3480					43360	7 137
16	59									7 137
16	60									7 137
16	61									7 137
16	62							9350	9350	7 137
16	TOT	102177	163869	22048				9350	297444	7 137
16	AVG	2620	4202	565				240	7627	7 137

TABLE 7 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
WATER REMAINING	17	24									7 137
AVAILABLE	17	25									7 137
IN BUCKS CREEK R17	17	26									7 137
AT BUCKS LAKE	17	27									7 137
AFTER ESTIMATION OF	17	28									7 137
ENTITLEMENTS FOR	17	29									7 137
ALL ASSUMED LOCAL	17	30									7 137
ALLOWANCES	17	31									7 137
PRIOR TO 1963 AND	17	32									7 137
ALL STATE ALLOWANCES	17	33									7 137
IN ACRE-FEET	17	34									7 137
	17	35									7 137
	17	36									7 137
	17	37									7 137
	17	38									7 137
	17	39									7 137
	17	40									7 137
	17	41									7 137
	17	42									7 137
	17	43									7 137
	17	44									7 137
	17	45									7 137

TABLE 7 (Continued)

	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL
17 46								7 137
17 47								7 137
17 48								7 137
17 49								7 137
17 50								7 137
17 51								7 137
17 52								7 137
17 53								7 137
17 54								7 137
17 55								7 137
17 56								7 137
17 57								7 137
17 58								7 137
17 59								7 137
17 60								7 137
17 61								7 137
17 62								7 137
17 TOT								7 137
17 AVG								7 137

TABLE 7 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
WATER REMAINING	18	24									7 137
AVAILABLE	18	25									7 137
IN MF FEATHER RIVER	18	26									7 137
R18 AT NELSON POINT	18	27		42510						42510	7 137
AFTER ESTIMATION OF	18	28									7 137
ENTITLEMENTS FOR	18	29									7 137
ALL ASSUMED LOCAL	18	30									7 137
ALLOWANCES	18	31									7 137
PRIOR TO 1963 AND	18	32									7 137
ALL STATE ALLOWANCES	18	33									7 137
IN ACRE-FEET	18	34									7 137
	18	35									7 137
	18	36									7 137
	18	37									7 137
	18	38	362300	355300	133700					851300	7 137
	18	39									7 137
	18	40	96452							96452	7 137
	18	41		102000						102000	7 137
	18	42	130415	94300	64250					288965	7 137
	18	43	120400							120400	7 137
	18	44									7 137
	18	45									7 137

TABLE 7 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
18	46									7 137
18	47									7 137
18	48									7 137
18	49									7 137
18	50									7 137
18	51									7 137
18	52	480000	269500	125700					875200	7 137
18	53	42640	82800	62146					187586	7 137
18	54	67098							67098	7 137
18	55									7 137
18	56		144800						144800	7 137
18	57									7 137
18	58	201600	181600	83300					466500	7 137
18	59									7 137
18	60									7 137
18	61									7 137
18	62							104600	104600	7 137
18	TOT	1500905	1272810	469096				104600	3347411	7 137
18	AVG	38485	32636	12028				2682	85831	7 137

TABLE 7 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
WATER REMAINING	19	24									7 137
AVAILABLE	19	25									7 137
IN MF FEATHER RIVER	19	26									7 137
R19 NEAR CLIO	19	27		32800						32800	7 137
AFTER ESTIMATION OF	19	28									7 137
ENTITLEMENTS FOR	19	29									7 137
ALL ASSUMED LOCAL	19	30									7 137
ALLOWANCES	19	31									7 137
PRIOR TO 1963 AND	19	32									7 137
ALL STATE ALLOWANCES	19	33									7 137
IN ACRE-FEET	19	34									7 137
	19	35									7 137
	19	36									7 137
	19	37									7 137
	19	38	177100	118800	28900					324800	7 137
	19	39									7 137
	19	40	66500							66500	7 137
	19	41		24300						24300	7 137
	19	42	80700	33400	16800					130900	7 137
	19	43	59800							59800	7 137
	19	44									7 137
	19	45									7 137

TABLE 7 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
19	46									7 137
19	47									7 137
19	48									7 137
19	49									7 137
19	50									7 137
19	51									7 137
19	52	341600	129300	35600					506500	7 137
19	53	35800	32400	16300					84500	7 137
19	54	29600							29600	7 137
19	55									7 137
19	56		55400						55400	7 137
19	57									7 137
19	58	117900	69700	19900					207500	7 137
19	59									7 137
19	60									7 137
19	61									7 137
19	62							38450	38450	7 137
19	TOT	909000	496100	117500				38450	1561050	7 137
19	AVG	23308	12721	3013				986	40027	7 137

TABLE 8

AVAILABLE WATER REMAINING IN EACH
REACH AFTER CONSIDERATION OF ALL
ASSUMED RIGHTS AS DETERMINED IN STUDY NO. 8

Table 8 contains 30 pages tabulating the monthly and seasonal totals of the available water remaining as determined in Study No. 8. These data are presented in numerical order by reach, with two pages per reach. The first column lists the reach numbers. The second column lists the year of the record. The eleventh column lists the study number. The twelfth column lists a number used in the data processing system. All values are in acre-feet.

TABLE 8 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL		
WATER REMAINING	5	24	147174	10597					9278	167049	8	137
AVAILABLE	5	25	398011	268046					2561	668618	8	137
IN FEATHER RIVER R5	5	26	477351	109251					4413	591015	8	137
SACTO R TO BEAR R	5	27	618703	474716	214582	7512		451	25412	1341376	8	137
AFTER ESTIMATION OF	5	28	452977	236813					11894	701684	8	137
ENTITLEMENTS FOR	5	29	177695	65533					17469	260697	8	137
ALL ASSUMED LOCAL	5	30	288146	160502	6496			2131	34801	492076	8	137
ALLOWANCES	5	31	129893	27819					6342	164054	8	137
PRIOR TO 1963 AND	5	32	296121	350060	175994				6770	828945	8	137
ALL STATE ALLOWANCES	5	33	182910	105533	98417				5031	391891	8	137
IN ACRE-FEET	5	34	167868	25728					2561	196157	8	137
	5	35	650583	368490	132296				20402	1171771	8	137
	5	36	449576	315240	101903				17644	884363	8	137
	5	37	368102	341833	67447				12052	789434	8	137
	5	38	1413224	1349013	674313	1485	5425	8577	34211	3486248	8	137
	5	39	205806	30027					2561	238394	8	137
	5	40	630238	276833	7072			111	3207	917461	8	137
	5	41	414042	813489	119142	3743			4894	1355310	8	137
	5	42	718581	642874	354798				7388	1723641	8	137
	5	43	698049	200690	49000				26967	974706	8	137
	5	44	159087	169823	2350				10469	341729	8	137
	5	45	258144	251903	48420				16487	574954	8	137

TABLE 8 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL		
5	46	314683	263070	6690				7584	592027	8	137
5	47	173783	6642					22851	203276	8	137
5	48	470137	342600	165942				12748	991427	8	137
5	49	297403	175322	5138				2561	480424	8	137
5	50	400521	338146	96839				8599	844105	8	137
5	51	290263	250403					16968	557634	8	137
5	52	1584861	1708631	674455	55898			22257	4046102	8	137
5	53	427742	411128	349314			4885	21338	1214407	8	137
5	54	508404	144010				4195	12009	668618	8	137
5	55	101883	162233					2561	266677	8	137
5	56	383535	825860	222518	8776		8797	18670	1468156	8	137
5	57	181676	343442	101896	1802		4740	181811	815367	8	137
5	58	1341965	858948	438078			774	13791	2653556	8	137
5	59	120685	26204				838	14284	162011	8	137
5	60	220454	99939	2390				2561	325344	8	137
5	61	122643	60029					2561	185233	8	137
5	62	330987	176781	58112				1225099	1790979	8	137
5	TOT	16573906	12788201	4173602	79216	5425	35499	1871067	35526916	8	137
5	AVG	424972	327903	107015	2031	139	910	47976	910947	8	137

TABLE 8 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL		
WATER REMAINING	6	24	1745							1745	8	137
AVAILABLE	6	25	49695							49695	8	137
IN BEAR RIVER R6	6	26	65895							65895	8	137
BELOW CFW RES	6	27	86795						5000	91795	8	137
AFTER ESTIMATION OF	6	28	40595						3490	44085	8	137
ENTITLEMENTS FOR	6	29	7725						7680	15405	8	137
ALL ASSUMED LOCAL	6	30	32175						16880	49055	8	137
ALLOWANCES	6	31	405							405	8	137
PRIOR TO 1963 AND	6	32	32575	14527					1340	48442	8	137
ALL STATE ALLOWANCES	6	33	1055						2470	3525	8	137
IN ACRE-FEET	6	34	13075							13075	8	137
	6	35	114775	6957					10800	132532	8	137
	6	36	54715	5507						60222	8	137
	6	37	48575							48575	8	137
	6	38	82375	16777					4920	104072	8	137
	6	39	3065							3065	8	137
	6	40	63815							63815	8	137
	6	41	84085	15917						100002	8	137
	6	42	94315	40337						134652	8	137
	6	43	39505	4027						43532	8	137
	6	44	16175							16175	8	137
	6	45	45155						380	45535	8	137

TABLE 8 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL		
6	46	31895	3917						35812	8	137
6	47	25635						950	26585	8	137
6	48	86995	27657						114652	8	137
6	49	35065							35065	8	137
6	50	40035						320	40355	8	137
6	51	42125	7507					40	49672	8	137
6	52	73025	12827						85852	8	137
6	53	47425	10707					1860	59992	8	137
6	54	39725							39725	8	137
6	55	5025							5025	8	137
6	56	25763	14715					1982	42460	8	137
6	57	25784	33099					189	59072	8	137
6	58	150795	5423						156218	8	137
6	59									8	137
6	60	17045							17045	8	137
6	61	5005							5005	8	137
6	62	22756						79880	102636	8	137
6	TOT	1652388	219901					138181	2010470	8	137
6	AVG	42369	5638					3543	51551	8	137

TABLE 8 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL		
WATER REMAINING	7	24	146048	10597					9278	165923	8	137
AVAILABLE	7	25	348935	268046					2561	619542	8	137
IN FEATHER RIVER R7	7	26	412075	109251					4413	525739	8	137
BEAR R TO JACK S1	7	27	532527	474716	214582	7512		451	21057	1250845	8	137
AFTER ESTIMATION OF	7	28	413001	236813					9049	658863	8	137
ENTITLEMENTS FOR	7	29	170589	65533					10434	246556	8	137
ALL ASSUMED LOCAL	7	30	256590	160502	6496			2131	18566	444285	8	137
ALLOWANCES	7	31	129893	27819					6342	164054	8	137
PRIOR TO 1963 AND	7	32	264165	337572	175994				6075	783806	8	137
ALL STATE ALLOWANCES	7	33	182474	105533	98417				3206	389630	8	137
IN ACRE-FEET	7	34	155412	25728					2561	183701	8	137
	7	35	536427	363572	132296				10247	1042542	8	137
	7	36	395480	311772	101903				17644	826799	8	137
	7	37	320146	341833	67447				12052	741478	8	137
	7	38	1331468	1334275	674313	1485	5425	8577	29936	3385479	8	137
	7	39	203360	30027					2561	235948	8	137
	7	40	567042	276833	7072			111	3207	854265	8	137
	7	41	330576	799611	119142	3743			4894	1257966	8	137
	7	42	624885	604576	354798				7388	1591647	8	137
	7	43	659163	198702	49000				26967	933832	8	137
	7	44	143531	169823	2350				10469	326173	8	137
	7	45	213608	251903	48420				16487	530418	8	137

TABLE 8 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL		
7	46	283407	261192	6690				7584	558873	8	137
7	47	148767	6642					22546	177955	8	137
7	48	383761	316982	165942				12748	879433	8	137
7	49	262957	175322	5138				2561	445978	8	137
7	50	361105	338146	96839				8599	804689	8	137
7	51	248757	244935					16968	510660	8	137
7	52	1512455	1697843	674455	55898			22257	3962908	8	137
7	53	380936	402460	349314			4885	20123	1157718	8	137
7	54	469298	144010				4195	12009	629512	8	137
7	55	97477	162233					2561	262271	8	137
7	56	358391	813184	222518	8776		8797	17333	1428999	8	137
7	57	156511	312382	101896	1802		4740	181811	759142	8	137
7	58	1191789	855564	438078			774	13791	2499996	8	137
7	59	120685	26204				838	14284	162011	8	137
7	60	204028	99939	2390				2561	308918	8	137
7	61	118257	60029					2561	180847	8	137
7	62	308850	176781	58112				1145864	1689607	8	137
7	TOT	14944826	12598885	4173602	79216	5425	35499	1741555	33579008	8	137
7	AVG	383201	323048	107015	2031	139	910	44655	861000	8	137

TABLE 7 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL		
WATER REMAINING	8	24	54579						3171	57750	8	137
AVAILABLE	8	25	303879	268046						571925	8	137
IN YUBA RIVER R8	8	26	368879	98147						467026	8	137
BELOW SMARTVILLE	8	27	532527	404147	205583					1142257	8	137
AFTER ESTIMATION OF	8	28	385879	231147						617026	8	137
ENTITLEMENTS FOR	8	29	94879	65533						160412	8	137
ALL ASSUMED LOCAL	8	30	217879	102147						320026	8	137
ALLOWANCES	8	31	36079							36079	8	137
PRIOR TO 1963 AND	8	32	220879	337572	154583					713034	8	137
ALL STATE ALLOWANCES	8	33	110879	105533	69583					285995	8	137
IN ACRE-FEET	8	34	74879							74879	8	137
	8	35	536427	363572	126083					1026082	8	137
	8	36	369379	311772	91783					772934	8	137
	8	37	297079	341833	64983					703895	8	137
	8	38	487379	643147	373083				5211	1508820	8	137
	8	39	127179							127179	8	137
	8	40	408679	276833						685512	8	137
	8	41	317379	475447	88683					881509	8	137
	8	42	432559	404307	263943					1100809	8	137
	8	43	400169	198702	49000				14912	662783	8	137
	8	44	126209	169823	2350				4362	302744	8	137
	8	45	199759	251903	48420				1581	501663	8	137

TABLE 8 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL		
8	46	283407	261192	6690				551	551840	8	137
8	47	148767	6642					4731	160140	8	137
8	48	375259	316982	160383					852624	8	137
8	49	262957	175322						438279	8	137
8	50	334589	306067	81044				2172	723872	8	137
8	51	245379	226677					10821	482877	8	137
8	52	551309	743177	416351	55898			16150	1782885	8	137
8	53	264109	254447	260563				13371	792490	8	137
8	54	340289	144010						484299	8	137
8	55	97477	162233						259710	8	137
8	56	204999	432087	169952				10581	817619	8	137
8	57	136369	312382	69453				5621	523825	8	137
8	58	495859	587587	266233				4213	1353892	8	137
8	59	106139	10607						116746	8	137
8	60	188769	88337						277106	8	137
8	61	107829	60029						167858	8	137
8	62	289029	165937	50425				281911	787302	8	137
8	TOT	10535949	9303326	3019171	55898			379359	23293703	8	137
8	AVG	270153	238547	77415	1433			9727	597274	8	137

TABLE 8 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
WATER REMAINING	9	24									8 137
AVAILABLE	9	25									8 137
IN FEATHER RIVER R9	9	26	45548							45548	8 137
JACK S1 TO OROVILLE	9	27		75183						75183	8 137
AFTER ESTIMATION OF	9	28									8 137
ENTITLEMENTS FOR	9	29									8 137
ALL ASSUMED LOCAL	9	30									8 137
ALLOWANCES	9	31									8 137
PRIOR TO 1963 AND	9	32									8 137
ALL STATE ALLOWANCES	9	33									8 137
IN ACRE-FEET	9	34									8 137
	9	35									8 137
	9	36									8 137
	9	37									8 137
	9	38	846441	693703	282394					1822538	8 137
	9	39									8 137
	9	40	160715							160715	8 137
	9	41	14454	326739						341193	8 137
	9	42	194678	202844	96138					493660	8 137
	9	43	261346							261346	8 137
	9	44									8 137
	9	45									8 137

TABLE 8 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
9	46									8 137
9	47									8 137
9	48	10854							10854	8 137
9	49									8 137
9	50		31794						31794	8 137
9	51									8 137
9	52	963498	957241	233472					2154211	8 137
9	53	106903	117454	94034					318391	8 137
9	54	131361							131361	8 137
9	55									8 137
9	56	63722	383672	5174					452568	8 137
9	57									8 137
9	58	659453	270552	146483					1076488	8 137
9	59									8 137
9	60									8 137
9	61									8 137
9	62							624728	624728	8 137
9	TOT	3458973	3059182	857695				624728	8000578	8 137
9	AVG	88692	78441	21992				16019	205143	8 137

TABLE 8 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
WATER REMAINING	10	24									8 137
AVAILABLE	10	25									8 137
IN FEATHER RIVER R10	10	26									8 137
AT OROVILLE	10	27		75183						75183	8 137
AFTER ESTIMATION OF	10	28									8 137
ENTITLEMENTS FOR	10	29									8 137
ALL ASSUMED LOCAL	10	30									8 137
ALLOWANCES	10	31									8 137
PRIOR TO 1963 AND	10	32									8 137
ALL STATE ALLOWANCES	10	33									8 137
IN ACRE-FEET	10	34									8 137
	10	35									8 137
	10	36									8 137
	10	37									8 137
	10	38	846441	693703	282394					1822538	8 137
	10	39									8 137
	10	40	160715							160715	8 137
	10	41	14454	326739						341193	8 137
	10	42	194678	202844	96138					493660	8 137
	10	43	261346							261346	8 137
	10	44									8 137
	10	45									8 137

TABLE 8 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
10	46									8 137
10	47									8 137
10	48	10854							10854	8 137
10	49									8 137
10	50		31794						31794	8 137
10	51									8 137
10	52	869951	957241	233472					2060664	8 137
10	53	106903	117454	94034					318391	8 137
10	54	131361							131361	8 137
10	55									8 137
10	56	63722	383672	5174					452568	8 137
10	57									8 137
10	58	557893	270552	146483					974928	8 137
10	59									8 137
10	60									8 137
10	61									8 137
10	62							602601	602601	8 137
10	TOT	3218318	3059182	857695				602601	7737796	8 137
10	AVG	82521	78441	21992				15451	198405	8 137

TABLE 8 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
WATER REMAINING	11	24									8 137
AVAILABLE	11	25									8 137
IN WB FEATHER RIVER	11	26									8 137
R11 AT YANKEE HILL	11	27		39298						39298	8 137
AFTER ESTIMATION OF	11	28									8 137
ENTITLEMENTS FOR	11	29									8 137
ALL ASSUMED LOCAL	11	30									8 137
ALLOWANCES	11	31									8 137
PRIOR TO 1963 AND	11	32									8 137
ALL STATE ALLOWANCES	11	33									8 137
IN ACRE-FEET	11	34									8 137
	11	35									8 137
	11	36									8 137
	11	37									8 137
	11	38	66427	86776	40782					193985	8 137
	11	39									8 137
	11	40	46925							46925	8 137
	11	41	14454	65882						80336	8 137
	11	42	60327	54170	30039					144536	8 137
	11	43	47729							47729	8 137
	11	44									8 137
	11	45									8 137

TABLE 8 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
11	46									8 137
11	47									8 137
11	48	10854							10854	8 137
11	49									8 137
11	50		31794						31794	8 137
11	51									8 137
11	52	73823	88945	35057					197825	8 137
11	53	48413	47063	35793					131269	8 137
11	54	78487							78487	8 137
11	55									8 137
11	56	32424	54374	5174					91972	8 137
11	57									8 137
11	58	71447	71842	44697					187986	8 137
11	59									8 137
11	60									8 137
11	61									8 137
11	62							48525	48525	8 137
11	TOT	551310	540144	191542				48525	1331521	8 137
11	AVG	14136	13850	4911				1244	34142	8 137

TABLE 8 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
WATER REMAINING	12	24									8 137
AVAILABLE	12	25									8 137
IN NF FEATHER RIVER	12	26									8 137
R12 AT PRATTVILLE	12	27		9130						9130	8 137
AFTER ESTIMATION OF	12	28									8 137
ENTITLEMENTS FOR	12	29									8 137
ALL ASSUMED LOCAL	12	30									8 137
ALLOWANCES	12	31									8 137
PRIOR TO 1963 AND	12	32									8 137
ALL STATE ALLOWANCES	12	33									8 137
IN ACRE-FEET	12	34									8 137
	12	35									8 137
	12	36									8 137
	12	37									8 137
	12	38	154490	145610	114710					414810	8 137
	12	39									8 137
	12	40	122280							122280	8 137
	12	41	14454	148670						163124	8 137
	12	42	59230	109960	74340					243530	8 137
	12	43	100670							100670	8 137
	12	44									8 137
	12	45									8 137

TABLE 8 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
12	46									8 137
12	47									8 137
12	48	6070							6070	8 137
12	49									8 137
12	50		31794						31794	8 137
12	51									8 137
12	52	108530	40170	61960					210660	8 137
12	53	55350	61490	67510					184350	8 137
12	54	44460							44460	8 137
12	55									8 137
12	56	47980	73070	5174					126224	8 137
12	57									8 137
12	58	117930	65520	109203					292653	8 137
12	59									8 137
12	60									8 137
12	61									8 137
12	62							88907	88907	8 137
12	TOT	831444	685414	432897				88907	2038662	8 137
12	AVG	21319	17575	11100				2280	52273	8 137

TABLE 8 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
WATER REMAINING	13	24									8 137
AVAILABLE	13	25									8 137
IN SF FEATHER RIVER	13	26									8 137
R13 AT ENTERPRISE	13	27		10380						10380	8 137
AFTER ESTIMATION OF	13	28									8 137
ENTITLEMENTS FOR	13	29									8 137
ALL ASSUMED LOCAL	13	30									8 137
ALLOWANCES	13	31									8 137
PRIOR TO 1963 AND	13	32									8 137
ALL STATE ALLOWANCES	13	33									8 137
IN ACRE-FEET	13	34									8 137
	13	35									8 137
	13	36									8 137
	13	37									8 137
	13	38	27915	48509	21666					98090	8 137
	13	39									8 137
	13	40	14812							14812	8 137
	13	41	14454	25957						40411	8 137
	13	42	21785	15108	9682					46575	8 137
	13	43	15791							15791	8 137
	13	44									8 137
	13	45									8 137

TABLE 8 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
13	46									8 137
13	47									8 137
13	48	10854							10854	8 137
13	49									8 137
13	50		13871						13871	8 137
13	51									8 137
13	52	40080	63694	26268					130042	8 137
13	53	16158	13469	13584					43211	8 137
13	54	28983							28983	8 137
13	55									8 137
13	56	16486	20292	3178					39956	8 137
13	57									8 137
13	58	41052	56229	20141					117422	8 137
13	59									8 137
13	60									8 137
13	61									8 137
13	62							40506	40506	8 137
13	TOT	248370	267509	94519				40506	650904	8 137
13	AVG	6368	6859	2424				1039	16690	8 137

TABLE 8 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
WATER REMAINING	14	24									8 137
AVAILABLE	14	25									8 137
IN SF FEATHER RIVER	14	26									8 137
R14 NEAR LA PORTE	14	27									8 137
AFTER ESTIMATION OF	14	28									8 137
ENTITLEMENTS FOR	14	29									8 137
ALL ASSUMED LOCAL	14	30									8 137
ALLOWANCES	14	31									8 137
PRIOR TO 1963 AND	14	32									8 137
ALL STATE ALLOWANCES	14	33									8 137
IN ACRE-FEET	14	34									8 137
	14	35									8 137
	14	36									8 137
	14	37									8 137
	14	38		7781	701					8482	8 137
	14	39									8 137
	14	40									8 137
	14	41		1347						1347	8 137
	14	42									8 137
	14	43									8 137
	14	44									8 137
	14	45									8 137

TABLE 8 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
14	46									8 137
14	47									8 137
14	48									8 137
14	49									8 137
14	50									8 137
14	51									8 137
14	52	844	11959	1612					14415	8 137
14	53									8 137
14	54									8 137
14	55									8 137
14	56		1678						1678	8 137
14	57									8 137
14	58									8 137
14	59									8 137
14	60									8 137
14	61									8 137
14	62									8 137
14	TOT	844	22765	2313					25922	8 137
14	AVG	22	584	59					665	8 137

TABLE 8 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
WATER REMAINING	15	24									8 137
AVAILABLE	15	25									8 137
IN LOST CREEK R15	15	26									8 137
NEAR CLIPPER MILLS	15	27									8 137
AFTER ESTIMATION OF	15	28									8 137
ENTITLEMENTS FOR	15	29									8 137
ALL ASSUMED LOCAL	15	30									8 137
ALLOWANCES	15	31									8 137
PRIOR TO 1963 AND	15	32									8 137
ALL STATE ALLOWANCES	15	33									8 137
IN ACRE-FEET	15	34									8 137
	15	35									8 137
	15	36									8 137
	15	37									8 137
	15	38	3250	16555	5337					25142	8 137
	15	39									8 137
	15	40									8 137
	15	41		5028						5028	8 137
	15	42		1777	2372					4149	8 137
	15	43									8 137
	15	44									8 137
	15	45									8 137

TABLE 8 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
15	46									8 137
15	47									8 137
15	48									8 137
15	49									8 137
15	50									8 137
15	51									8 137
15	52	2594	17560	7691					27845	8 137
15	53		79	3069					3148	8 137
15	54									8 137
15	55									8 137
15	56		1248	467					1715	8 137
15	57									8 137
15	58		7195	2183					9378	8 137
15	59									8 137
15	60									8 137
15	61									8 137
15	62							25045	25045	8 137
15	TOT	5844	49442	21119				25045	101450	8 137
15	AVG	150	1268	542				642	2601	8 137

TABLE 8 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
WATER REMAINING	16	24									8 137
AVAILABLE	16	25									8 137
IN BUTT CREEK R16	16	26									8 137
AT BUTT VALLEY RES	16	27		9407						9407	8 137
AFTER ESTIMATION OF	16	28									8 137
ENTITLEMENTS FOR	16	29									8 137
ALL ASSUMED LOCAL	16	30									8 137
ALLOWANCES	16	31									8 137
PRIOR TO 1963 AND	16	32									8 137
ALL STATE ALLOWANCES	16	33									8 137
IN ACRE-FEET	16	34									8 137
	16	35									8 137
	16	36									8 137
	16	37									8 137
	16	38	14962	32060						47022	8 137
	16	39									8 137
	16	40	5722							5722	8 137
	16	41	11887	15177						27064	8 137
	16	42	18130	15382	1789					35301	8 137
	16	43	7872							7872	8 137
	16	44									8 137
	16	45									8 137

TABLE 8 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
16	46									8 137
16	47									8 137
16	48	10854							10854	8 137
16	49									8 137
16	50		11115						11115	8 137
16	51									8 137
16	52	12438	34190	7961					54589	8 137
16	53	15971	12172	8818					36961	8 137
16	54	18802							18802	8 137
16	55									8 137
16	56	19410	13881	4752					38043	8 137
16	57									8 137
16	58	8280	31600	3480					43360	8 137
16	59									8 137
16	60									8 137
16	61									8 137
16	62							9350	9350	8 137
16	TOT	144328	174984	26800				9350	355462	8 137
16	AVG	3701	4487	687				240	9114	8 137

TABLE 8 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
WATER REMAINING	17	24									8 137
AVAILABLE	17	25									8 137
IN BUCKS CREEK R17	17	26									8 137
AT BUCKS LAKE	17	27									8 137
AFTER ESTIMATION OF	17	28									8 137
ENTITLEMENTS FOR	17	29									8 137
ALL ASSUMED LOCAL	17	30									8 137
ALLOWANCES	17	31									8 137
PRIOR TO 1963 AND	17	32									8 137
ALL STATE ALLOWANCES	17	33									8 137
IN ACRE-FEET	17	34									8 137
	17	35									8 137
	17	36									8 137
	17	37									8 137
	17	38									8 137
	17	39									8 137
	17	40									8 137
	17	41									8 137
	17	42									8 137
	17	43									8 137
	17	44									8 137
	17	45									8 137

TABLE 8 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
17	46									8 137
17	47									8 137
17	48									8 137
17	49									8 137
17	50									8 137
17	51									8 137
17	52									8 137
17	53									8 137
17	54									8 137
17	55									8 137
17	56									8 137
17	57									8 137
17	58									8 137
17	59									8 137
17	60									8 137
17	61									8 137
17	62									8 137
17	TOT									8 137
17	AVG									8 137

TABLE 8 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
WATER REMAINING	18	24									8 137
AVAILABLE	18	25									8 137
IN MF FEATHER RIVER	18	26									8 137
R18 AT NELSON POINT	18	27		75183						75183	8 137
AFTER ESTIMATION OF	18	28									8 137
ENTITLEMENTS FOR	18	29									8 137
ALL ASSUMED LOCAL	18	30									8 137
ALLOWANCES	18	31									8 137
PRIOR TO 1963 AND	18	32									8 137
ALL STATE ALLOWANCES	18	33									8 137
IN ACRE-FEET	18	34									8 137
	18	35									8 137
	18	36									8 137
	18	37									8 137
	18	38	362300	355300	133700					851300	8 137
	18	39									8 137
	18	40	142000							142000	8 137
	18	41	14454	102000						116454	8 137
	18	42	146700	94300	85800					326800	8 137
	18	43	120400							120400	8 137
	18	44									8 137
											8 137

TABLE 3 (Concluded)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
18	46									8 137
18	47									8 137
18	48									8 137
18	49									8 137
18	50		31794						31794	8 137
18	51									8 137
18	52	480000	269500	125700					875200	8 137
18	53	82200	82800	73700					238700	8 137
18	54	86000							86000	8 137
18	55									8 137
18	56	63722	144800	5174					213696	8 137
18	57									8 137
18	58	201600	181600	83300					466500	8 137
18	59									8 137
18	60									8 137
18	61									8 137
18	62							104600	104600	8 137
18	TOT	1699376	1337277	507374				104600	3648627	8 137
18	AVG	43574	34289	13010				2682	93555	8 137

TABLE 8 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
WATER REMAINING	19	24									8 137
AVAILABLE	19	25									8 137
IN MF FEATHER RIVER	19	26									8 137
R19 NEAR CLIO	19	27		32800						32800	8 137
AFTER ESTIMATION OF	19	28									8 137
ENTITLEMENTS FOR	19	29									8 137
ALL ASSUMED LOCAL	19	30									8 137
ALLOWANCES	19	31									8 137
PRIOR TO 1963 AND	19	32									8 137
ALL STATE ALLOWANCES	19	33									8 137
IN ACRE-FEET	19	34									8 137
	19	35									8 137
	19	36									8 137
	19	37									8 137
	19	38	177100	118800	28900					324800	8 137
	19	39									8 137
	19	40	66500							66500	8 137
	19	41	14454	24300						38754	8 137
	19	42	80700	33400	16800					130900	8 137
	19	43	59800							59800	8 137
	19	44									8 137
	19	45									8 137

TABLE 8 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
19	46									8 137
19	47									8 137
19	48									8 137
19	49									8 137
19	50		20600						20600	8 137
19	51									8 137
19	52	341600	129300	35600					506500	8 137
19	53	35800	32400	16300					84500	8 137
19	54	29600							29600	8 137
19	55									8 137
19	56	63722	55400	5174					124296	8 137
19	57									8 137
19	58	117900	69700	19900					207500	8 137
19	59									8 137
19	60									8 137
19	61									8 137
19	62							38450	38450	8 137
19	TOT	987176	516700	122674				38450	1665000	8 137
19	AVG	25312	13249	3145				986	42692	8 137

TABLE 9

AVAILABLE WATER REMAINING IN EACH
REACH AFTER CONSIDERATION OF ALL
ASSUMED RIGHTS AS DETERMINED IN STUDY NO. 9

Table 9 contains 30 pages tabulating the monthly and seasonal totals of the available water remaining as determined in Study No. 9. These data are presented in numerical order by reach, with two pages per reach. The first column lists the reach numbers. The second column lists the year of the record. The eleventh column lists the study number. The twelfth column lists a number used in the data processing system. All values are in acre-feet.

TABLE 9 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
WATER REMAINING	5	24	131363	5258					2379	139000	9 137
AVAILABLE	5	25	382200	259660					1732	643592	9 137
IN FEATHER RIVER R5	5	26	415992	100865					2379	519236	9 137
SACTO R TO BEAR R	5	27	602892	440718	211271	6874			24087	1285842	9 137
AFTER ESTIMATION OF	5	28	437166	228427					10368	675961	9 137
ENTITLEMENTS FOR	5	29	161884	57147					12392	231423	9 137
ALL ASSUMED LOCAL	5	30	272335	152116	4374				32069	460894	9 137
ALLOWANCES	5	31	114082	22480					2364	138926	9 137
PRIOR TO 1963 AND	5	32	280310	341470	172683				5244	799707	9 137
ALL STATE ALLOWANCES	5	33	167099	97147	95106				1696	361048	9 137
IN ACRE-FEET	5	34	152057	20389						172446	9 137
	5	35	634772	359900	128985				18870	1142527	9 137
	5	36	433765	306650	98592				17090	856097	9 137
	5	37	352291	333447	64136				11190	761064	9 137
	5	38	1338655	1314811	646175	847	2777	3297	25383	3331945	9 137
	5	39	189995	24688					634	215317	9 137
	5	40	555669	268447	4365				2379	830860	9 137
	5	41	383777	779287	115831	3105			3575	1285575	9 137
	5	42	644012	608672	326660				3925	1583269	9 137
	5	43	623480	192100	45689				15032	876301	9 137
	5	44	143276	161437					2379	307092	9 137
	5	45	242333	243517	45109				11084	542043	9 137

TABLE 9 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
5	46	298872	254480	3379				3305	560036	9 137
5	47	157972						14298	172270	9 137
5	48	443472	334010	162631				11326	951439	9 137
5	49	281592	166936	3016					451544	9 137
5	50	384710	304148	93528				2605	784991	9 137
5	51	274452	241813					6343	522608	9 137
5	52	1510292	1674429	646317	54573			9997	3895608	9 137
5	53	353173	376926	321176				9817	1061092	9 137
5	54	433835	135624					9262	578721	9 137
5	55	86072	153847						239919	9 137
5	56	308966	791658	214033	8138		3726	8070	1334591	9 137
5	57	165865	334852	98585	1164			172848	773314	9 137
5	58	1267396	824746	409940				5850	2507932	9 137
5	59	105146	17818					10404	133368	9 137
5	60	204643	91553						296196	9 137
5	61	106832	51643					923	159398	9 137
5	62	315176	168395	54801				1154642	1693014	9 137
5	TOT	15357871	12241511	3966382	74701	2777	7023	1625941	33276206	9 137
5	AVG	393792	313885	101702	1915	71	180	41691	853236	9 137

TABLE 9 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
WATER REMAINING	6	24	1473							1473	9 137
AVAILABLE	6	25	49423							49423	9 137
IN BEAR RIVER R6	6	26	65623							65623	9 137
BELOW CFW RES	6	27	86523						4906	91429	9 137
AFTER ESTIMATION OF	6	28	40323						3396	43719	9 137
ENTITLEMENTS FOR	6	29	7453						7586	15039	9 137
ALL ASSUMED LOCAL	6	30	31903						16786	48689	9 137
ALLOWANCES	6	31	133							133	9 137
PRIOR TO 1963 AND	6	32	32303	14323					1246	47872	9 137
ALL STATE ALLOWANCES	6	33	783						1696	2479	9 137
IN ACRE-FEET	6	34	12803							12803	9 137
	6	35	114503	6753					10706	131962	9 137
	6	36	54443	5303						59746	9 137
	6	37	48303							48303	9 137
	6	38	82103	16573					4826	103502	9 137
	6	39	2793							2793	9 137
	6	40	63543							63543	9 137
	6	41	83813	15713						99526	9 137
	6	42	94043	40133						134176	9 137
	6	43	39233	3823						43056	9 137
	6	44	15903							15903	9 137
	6	45	44883						286	45169	9 137

TABLE 9 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL		
6	46	31623	3713						35336	9	137
6	47	25363						856	26219	9	137
6	48	86723	27453						114176	9	137
6	49	34793							34793	9	137
6	50	39763						226	39989	9	137
6	51	41853	7303						49156	9	137
6	52	72753	12623						85376	9	137
6	53	47153	10503					1766	59422	9	137
6	54	39453							39453	9	137
6	55	4753							4753	9	137
6	56	25491	14511					1888	41890	9	137
6	57	25512	32895					95	58502	9	137
6	58	150523	5219						155742	9	137
6	59									9	137
6	60	16773							16773	9	137
6	61	4733							4733	9	137
6	62	22484						79786	102270	9	137
6	TOT	1642052	216841					136051	1994944	9	137
6	AVG	42104	5560					3488	51152	9	137

TABLE 9 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL		
WATER REMAINING	7	24	131363	5258					2379	139000	9	137
AVAILABLE	7	25	334820	259660					1732	596212	9	137
IN FEATHER RIVER R7	7	26	352412	100865					2379	455656	9	137
BEAR R TO JACK S1	7	27	518412	440718	211271	6874			21669	1198944	9	137
AFTER ESTIMATION OF	7	28	398886	228427					9460	636773	9	137
ENTITLEMENTS FOR	7	29	156474	57147					7294	220915	9	137
ALL ASSUMED LOCAL	7	30	242475	152116	4374				17771	416736	9	137
ALLOWANCES	7	31	114082	22480					2364	138926	9	137
PRIOR TO 1963 AND	7	32	250050	332234	172683				5244	760211	9	137
ALL STATE ALLOWANCES	7	33	167099	97147	95106				1696	361048	9	137
IN ACRE-FEET	7	34	141297	20389						161686	9	137
	7	35	522312	358234	128985				10652	1020183	9	137
	7	36	381365	306434	98592				17090	803481	9	137
	7	37	306031	333447	64136				11190	714804	9	137
	7	38	1258595	1303325	646175	847	2777	3297	23045	3238061	9	137
	7	39	189245	24688					634	214567	9	137
	7	40	494169	268447	4365				2379	769360	9	137
	7	41	302007	768661	115831	3105			3575	1193179	9	137
	7	42	552012	573626	326660				3925	1456223	9	137
	7	43	586290	192100	45689				15032	839111	9	137
	7	44	129416	161437					2379	293232	9	137
	7	45	199493	243517	45109				11084	499203	9	137

TABLE 9 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL		
7	46	269292	254480	3379				3305	530456	9	137
7	47	134652						14298	148950	9	137
7	48	358792	311644	162631				11326	844393	9	137
7	49	248842	166936	3016					418794	9	137
7	50	346990	304148	93528				2605	747271	9	137
7	51	234642	239597					6343	480582	9	137
7	52	1439582	1666893	646317	54573			9997	3817362	9	137
7	53	308063	371510	321176				9817	1010566	9	137
7	54	396425	135624					9262	541311	9	137
7	55	83362	153847						237209	9	137
7	56	285518	782234	214033	8138		3726	8070	1301719	9	137
7	57	142396	307044	98585	1164			172848	722037	9	137
7	58	1118916	824614	409940				5850	2359320	9	137
7	59	105146	17818					10404	133368	9	137
7	60	189913	91553						281466	9	137
7	61	104142	51643					923	156708	9	137
7	62	294735	168395	54801				1077344	1595275	9	137
7	TOT	13789713	12098337	3966382	74701	2777	7023	1515365	31454298	9	137
7	AVG	353582	310214	101702	1915	71	180	38856	806520	9	137

TABLE 9 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL		
WATER REMAINING	8	24	44932							44932	9	137
AVAILABLE	8	25	294232	259660						553892	9	137
IN YUBA RIVER R8	8	26	352412	94750						447162	9	137
BELOW SMARTVILLE	8	27	518412	400750	204146					1123308	9	137
AFTER ESTIMATION OF	8	28	376232	227750						603982	9	137
ENTITLEMENTS FOR	8	29	85232	57147						142379	9	137
ALL ASSUMED LOCAL	8	30	208232	98750						306982	9	137
ALLOWANCES	8	31	26432							26432	9	137
PRIOR TO 1963 AND	8	32	211232	332234	153146					696612	9	137
ALL STATE ALLOWANCES	8	33	101232	97147	68146					266525	9	137
IN ACRE-FEET	8	34	65232							65232	9	137
	8	35	522312	358234	124646					1005192	9	137
	8	36	359732	306434	90346					756512	9	137
	8	37	287432	333447	63546					684425	9	137
	8	38	477732	639750	371646					1489128	9	137
	8	39	117532							117532	9	137
	8	40	399032	268447						667479	9	137
	8	41	302007	472050	87246					861303	9	137
	8	42	422912	400910	262506					1086328	9	137
	8	43	390522	192100	45689					628311	9	137
	8	44	116562	161437						277999	9	137
	8	45	190112	243517	45109					478738	9	137

TABLE 9 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL		
8	46	269292	254480	3379					527151	9	137
8	47	134652							134652	9	137
8	48	358792	311644	158946					829382	9	137
8	49	248842	166936						415778	9	137
8	50	324942	302670	79607					707219	9	137
8	51	234642	223280						457922	9	137
8	52	541662	739780	414914	54573			254	1751183	9	137
8	53	254462	251050	259126					764638	9	137
8	54	330642	135624						466266	9	137
8	55	83362	153847						237209	9	137
8	56	195352	428690	168515					792557	9	137
8	57	126722	307044	68016					501782	9	137
8	58	486212	584190	264796					1335198	9	137
8	59	96492	7210						103702	9	137
8	60	179122	84940						264062	9	137
8	61	98182	51643						149825	9	137
8	62	279382	162540	48988				266015	756925	9	137
8	TOT	10112453	9110082	2982459	54573			266269	22525836	9	137
8	AVG	259294	233592	76473	1399			6827	577586	9	137

TABLE 9 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
WATER REMAINING	9	24									9 137
AVAILABLE	9	25									9 137
IN FEATHER RIVER R9	9	26									9 137
JACK S1 TO OROVILLE	9	27		49571						49571	9 137
AFTER ESTIMATION OF	9	28									9 137
ENTITLEMENTS FOR	9	29									9 137
ALL ASSUMED LOCAL	9	30									9 137
ALLOWANCES	9	31									9 137
PRIOR TO 1963 AND	9	32									9 137
ALL STATE ALLOWANCES	9	33									9 137
IN ACRE-FEET	9	34									9 137
	9	35									9 137
	9	36									9 137
	9	37									9 137
	9	38	787683	668091	257567					1713341	9 137
	9	39									9 137
	9	40	101957							101957	9 137
	9	41		301127						301127	9 137
	9	42	135920	177232	71311					384463	9 137
	9	43	202588							202588	9 137
	9	44									9 137
	9	45									9 137

TABLE 9 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
9	46									9 137
9	47									9 137
9	48									9 137
9	49									9 137
9	50		6182						6182	9 137
9	51									9 137
9	52	904740	931629	208645					2045014	9 137
9	53	48145	91842	69207					209194	9 137
9	54	72603							72603	9 137
9	55									9 137
9	56	4964	358060						363024	9 137
9	57									9 137
9	58	600695	244940	121656					967291	9 137
9	59									9 137
9	60									9 137
9	61									9 137
9	62							566625	566625	9 137
9	TOT	2859295	2828674	728386				566625	6982980	9 137
9	AVG	73315	72530	18677				14529	179051	9 137

TABLE 9 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
WATER REMAINING	10	24									9 137
AVAILABLE	10	25									9 137
IN FEATHER RIVER R10	10	26									9 137
AT OROVILLE	10	27		49571						49571	9 137
AFTER ESTIMATION OF	10	28									9 137
ENTITLEMENTS FOR	10	29									9 137
ALL ASSUMED LOCAL	10	30									9 137
ALLOWANCES	10	31									9 137
PRIOR TO 1963 AND	10	32									9 137
ALL STATE ALLOWANCES	10	33									9 137
IN ACRE-FEET	10	34									9 137
	10	35									9 137
	10	36									9 137
	10	37									9 137
	10	38	787683	668091	257567					1713341	9 137
	10	39									9 137
	10	40	101957							101957	9 137
	10	41		301127						301127	9 137
	10	42	135920	177232	71311					384463	9 137
	10	43	202588							202588	9 137
	10	44									9 137
	10	45									9 137

TABLE 9 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
10	46									9 137
10	47									9 137
10	48									9 137
10	49									9 137
10	50		6182						6182	9 137
10	51									9 137
10	52	869951	931629	208645					2010225	9 137
10	53	48145	91842	69207					209194	9 137
10	54	72603							72603	9 137
10	55									9 137
10	56	4964	358060						363024	9 137
10	57									9 137
10	58	557893	244940	121656					924489	9 137
10	59									9 137
10	60									9 137
10	61									9 137
10	62							566625	566625	9 137
10	TOT	2781704	2828674	728386				566625	6905389	9 137
10	AVG	71326	72530	18677				14529	177061	9 137

TABLE 9 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
WATER REMAINING	11	24									9 137
AVAILABLE	11	25									9 137
IN WB FEATHER RIVER	11	26									9 137
R11 AT YANKEE HILL	11	27		39298						39298	9 137
AFTER ESTIMATION OF	11	28									9 137
ENTITLEMENTS FOR	11	29									9 137
ALL ASSUMED LOCAL	11	30									9 137
ALLOWANCES	11	31									9 137
PRIOR TO 1963 AND	11	32									9 137
ALL STATE ALLOWANCES	11	33									9 137
IN ACRE-FEET	11	34									9 137
	11	35									9 137
	11	36									9 137
	11	37									9 137
	11	38	66427	86776	40782					193985	9 137
	11	39									9 137
	11	40	46925							46925	9 137
	11	41		65882						65882	9 137
	11	42	60327	54170	30039					144536	9 137
	11	43	47729							47729	9 137
	11	44									9 137
	11	45									9 137

TABLE 9 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
11	46									9 137
11	47									9 137
11	48									9 137
11	49									9 137
11	50		6182						6182	9 137
11	51									9 137
11	52	73823	88945	35057					197825	9 137
11	53	48145	47063	35793					131001	9 137
11	54	72603							72603	9 137
11	55									9 137
11	56	4964	54374						59338	9 137
11	57									9 137
11	58	71447	71842	44697					187986	9 137
11	59									9 137
11	60									9 137
11	61									9 137
11	62							48525	48525	9 137
11	TOT	492390	514532	186368				48525	1241815	9 137
11	AVG	12625	13193	4779				1244	31841	9 137

TABLE 9 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
WATER REMAINING	12	24									9 137
AVAILABLE	12	25									9 137
IN NF FEATHER RIVER	12	26									9 137
R12 AT PRATTVILLE	12	27		9130						9130	9 137
AFTER ESTIMATION OF	12	28									9 137
ENTITLEMENTS FOR	12	29									9 137
ALL ASSUMED LOCAL	12	30									9 137
ALLOWANCES	12	31									9 137
PRIOR TO 1963 AND	12	32									9 137
ALL STATE ALLOWANCES	12	33									9 137
IN ACRE-FEET	12	34									9 137
	12	35									9 137
	12	36									9 137
	12	37									9 137
	12	38	154490	145610	114710					414810	9 137
	12	39									9 137
	12	40	101957							101957	9 137
	12	41		148670						148670	9 137
	12	42	59230	109960	71311					240501	9 137
	12	43	100670							100670	9 137
	12	44									9 137
	12	45									9 137

TABLE 9 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
12	46									9 137
12	47									9 137
12	48									9 137
12	49									9 137
12	50		6182						6182	9 137
12	51									9 137
12	52	108530	40170	61960					210660	9 137
12	53	48145	61490	67510					177145	9 137
12	54	44460							44460	9 137
12	55									9 137
12	56	4964	73070						78034	9 137
12	57									9 137
12	58	117930	65520	109203					292653	9 137
12	59									9 137
12	60									9 137
12	61									9 137
12	62							88907	88907	9 137
12	TOT	740376	659802	424694				88907	1913779	9 137
12	AVG	18984	16918	10890				2280	49071	9 137

TABLE 9 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
WATER REMAINING	13	24									9 137
AVAILABLE	13	25									9 137
IN SF FEATHER RIVER	13	26									9 137
R13 AT ENTERPRISE	13	27		10380						10380	9 137
AFTER ESTIMATION OF	13	28									9 137
ENTITLEMENTS FOR	13	29									9 137
ALL ASSUMED LOCAL	13	30									9 137
ALLOWANCES	13	31									9 137
PRIOR TO 1963 AND	13	32									9 137
ALL STATE ALLOWANCES	13	33									9 137
IN ACRE-FEET	13	34									9 137
	13	35									9 137
	13	36									9 137
	13	37									9 137
	13	38	27915	48509	21666					98090	9 137
	13	39									9 137
	13	40	14812							14812	9 137
	13	41		25957						25957	9 137
	13	42	21785	15108	9682					46575	9 137
	13	43	15791							15791	9 137
	13	44									9 137
	13	45									9 137

TABLE 9 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
13	46									9 137
13	47									9 137
13	48									9 137
13	49									9 137
13	50		6182						6182	9 137
13	51									9 137
13	52	40080	63694	26268					130042	9 137
13	53	16158	13469	13584					43211	9 137
13	54	28983							28983	9 137
13	55									9 137
13	56	4964	20292						25256	9 137
13	57									9 137
13	58	41052	56229	20141					117422	9 137
13	59									9 137
13	60									9 137
13	61									9 137
13	62							40506	40506	9 137
13	TOT	211540	259820	91341				40506	603207	9 137
13	AVG	5424	6662	2342				1039	15467	9 137

TABLE 9 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
WATER REMAINING	14	24									9 137
AVAILABLE	14	25									9 137
IN SF FEATHER RIVER	14	26									9 137
R14 NEAR LA PORTE	14	27									9 137
AFTER ESTIMATION OF	14	28									9 137
ENTITLEMENTS FOR	14	29									9 137
ALL ASSUMED LOCAL	14	30									9 137
ALLOWANCES	14	31									9 137
PRIOR TO 1963 AND	14	32									9 137
ALL STATE ALLOWANCES	14	33									9 137
IN ACRE-FEET	14	34									9 137
	14	35									9 137
	14	36									9 137
	14	37									9 137
	14	38		7781	701					8482	9 137
	14	39									9 137
	14	40									9 137
	14	41		1347						1347	9 137
	14	42									9 137
	14	43									9 137
	14	44									9 137
	14	45									9 137

TABLE 9 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
14	46									9 137
14	47									9 137
14	48									9 137
14	49									9 137
14	50									9 137
14	51									9 137
14	52	844	11959	1612					14415	9 137
14	53									9 137
14	54									9 137
14	55									9 137
14	56		1678						1678	9 137
14	57									9 137
14	58									9 137
14	59									9 137
14	60									9 137
14	61									9 137
14	62									9 137
14	TOT	844	22765	2313					25922	9 137
14	AVG	22	584	59					665	9 137

TABLE 9 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
WATER REMAINING	15	24									9 137
AVAILABLE	15	25									9 137
IN LOST CREEK R15	15	26									9 137
NEAR CLIPPER MILLS	15	27									9 137
AFTER ESTIMATION OF	15	28									9 137
ENTITLEMENTS FOR	15	29									9 137
ALL ASSUMED LOCAL	15	30									9 137
ALLOWANCES	15	31									9 137
PRIOR TO 1963 AND	15	32									9 137
ALL STATE ALLOWANCES	15	33									9 137
IN ACRE-FEET	15	34									9 137
	15	35									9 137
	15	36									9 137
	15	37									9 137
	15	38	3250	16555	5337					25142	9 137
	15	39									9 137
	15	40									9 137
	15	41		5028						5028	9 137
	15	42		1777	2372					4149	9 137
	15	43									9 137
	15	44									9 137
	15	45									9 137

TABLE 9 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
15	46									9 137
15	47									9 137
15	48									9 137
15	49									9 137
15	50									9 137
15	51									9 137
15	52	2594	17560	7691					27845	9 137
15	53		79	3069					3148	9 137
15	54									9 137
15	55									9 137
15	56		1248						1248	9 137
15	57									9 137
15	58		7195	2183					9378	9 137
15	59									9 137
15	60									9 137
15	61									9 137
15	62							25045	25045	9 137
15	TOT	5844	49442	20652				25045	100983	9 137
15	AVG	150	1268	530				642	2589	9 137

TABLE 9 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
WATER REMAINING	16	24									9 137
AVAILABLE	16	25									9 137
IN BUTT CREEK R16	16	26									9 137
AT BUTT VALLEY RES	16	27		9407						9407	9 137
AFTER ESTIMATION OF	16	28									9 137
ENTITLEMENTS FOR	16	29									9 137
ALL ASSUMED LOCAL	16	30									9 137
ALLOWANCES	16	31									9 137
PRIOR TO 1963 AND	16	32									9 137
ALL STATE ALLOWANCES	16	33									9 137
IN ACRE-FEET	16	34									9 137
	16	35									9 137
	16	36									9 137
	16	37									9 137
	16	38	14962	32060						47022	9 137
	16	39									9 137
	16	40	5722							5722	9 137
	16	41		15177						15177	9 137
	16	42	18130	15382	1789					35301	9 137
	16	43	7872							7872	9 137
	16	44									9 137
	16	45									9 137

TABLE 9 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
16	46									9 137
16	47									9 137
16	48									9 137
16	49									9 137
16	50		6182						6182	9 137
16	51									9 137
16	52	12438	34190	7961					54589	9 137
16	53	15971	12172	8818					36961	9 137
16	54	18802							18802	9 137
16	55									9 137
16	56	4964	13881						18845	9 137
16	57									9 137
16	58	8280	31600	3480					43360	9 137
16	59									9 137
16	60									9 137
16	61									9 137
16	62							9350	9350	9 137
16	TOT	107141	170051	22048				9350	308590	9 137
16	AVG	2747	4360	565				240	7913	9 137

TABLE 9 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
WATER REMAINING	17	24									9 137
AVAILABLE	17	25									9 137
IN BUCKS CREEK R17	17	26									9 137
AT BUCKS LAKE	17	27									9 137
AFTER ESTIMATION OF	17	28									9 137
ENTITLEMENTS FOR	17	29									9 137
ALL ASSUMED LOCAL	17	30									9 137
ALLOWANCES	17	31									9 137
PRIOR TO 1963 AND	17	32									9 137
ALL STATE ALLOWANCES	17	33									9 137
IN ACRE-FEET	17	34									9 137
	17	35									9 137
	17	36									9 137
	17	37									9 137
	17	38									9 137
	17	39									9 137
	17	40									9 137
	17	41									9 137
	17	42									9 137
	17	43									9 137
	17	44									9 137
	17	45									9 137

TABLE 9 (Continued)

	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
17 46									9 137
17 47									9 137
17 48									9 137
17 49									9 137
17 50									9 137
17 51									9 137
17 52									9 137
17 53									9 137
17 54									9 137
17 55									9 137
17 56									9 137
17 57									9 137
17 58									9 137
17 59									9 137
17 60									9 137
17 61									9 137
17 62									9 137
17 TOT									9 137
17 AVG									9 137

TABLE 9 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
WATER REMAINING	18	24									9 137
AVAILABLE	18	25									9 137
IN MF FEATHER RIVER	18	26									9 137
R18 AT NELSON POINT	18	27		49571						49571	9 137
AFTER ESTIMATION OF	18	28									9 137
ENTITLEMENTS FOR	18	29									9 137
ALL ASSUMED LOCAL	18	30									9 137
ALLOWANCES	18	31									9 137
PRIOR TO 1963 AND	18	32									9 137
ALL STATE ALLOWANCES	18	33									9 137
IN ACRE-FEET	18	34									9 137
	18	35									9 137
	18	36									9 137
	18	37									9 137
	18	38	362300	355300	133700					851300	9 137
	18	39									9 137
	18	40	101957							101957	9 137
	18	41		102000						102000	9 137
	18	42	135920	94300	71311					301531	9 137
	18	43	120400							120400	9 137
	18	44									9 137
	18	45									9 137

TABLE 9 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
18	46									9 137
18	47									9 137
18	48									9 137
18	49									9 137
18	50		6182						6182	9 137
18	51									9 137
18	52	480000	269500	125700					875200	9 137
18	53	48145	82800	69207					200152	9 137
18	54	72603							72603	9 137
18	55									9 137
18	56	4964	144800						149764	9 137
18	57									9 137
18	58	201600	181600	83300					466500	9 137
18	59									9 137
18	60									9 137
18	61									9 137
18	62							104600	104600	9 137
18	TOT	1527889	1286053	483218				104600	3401760	9 137
18	AVG	39177	32976	12390				2682	87225	9 137

TABLE 9 (Continued)

			APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
WATER REMAINING	19	24									9 137
AVAILABLE	19	25									9 137
IN MF FEATHER RIVER	19	26									9 137
R19 NEAR CLIO	19	27		32800						32800	9 137
AFTER ESTIMATION OF	19	28									9 137
ENTITLEMENTS FOR	19	29									9 137
ALL ASSUMED LOCAL	19	30									9 137
ALLOWANCES	19	31									9 137
PRIOR TO 1963 AND	19	32									9 137
ALL STATE ALLOWANCES	19	33									9 137
IN ACRE-FEET	19	34									9 137
	19	35									9 137
	19	36									9 137
	19	37									9 137
	19	38	177100	118800	28900					324800	9 137
	19	39									9 137
	19	40	66500							66500	9 137
	19	41		24300						24300	9 137
	19	42	80700	33400	16800					130900	9 137
	19	43	59800							59800	9 137
	19	44									9 137
	19	45									9 137

TABLE 9 (Continued)

		APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL	
19	46									9 137
19	47									9 137
19	48									9 137
19	49									9 137
19	50		6182						6182	9 137
19	51									9 137
19	52	341600	129300	35600					506500	9 137
19	53	35800	32400	16300					84500	9 137
19	54	29600							29600	9 137
19	55									9 137
19	56	4964	55400						60364	9 137
19	57									9 137
19	58	117900	69700	19900					207500	9 137
19	59									9 137
19	60									9 137
19	61									9 137
19	62							38450	38450	9 137
19	TOT	913964	502282	117500				38450	1572196	9 137
19	AVG	23435	12879	3013				986	40313	9 137

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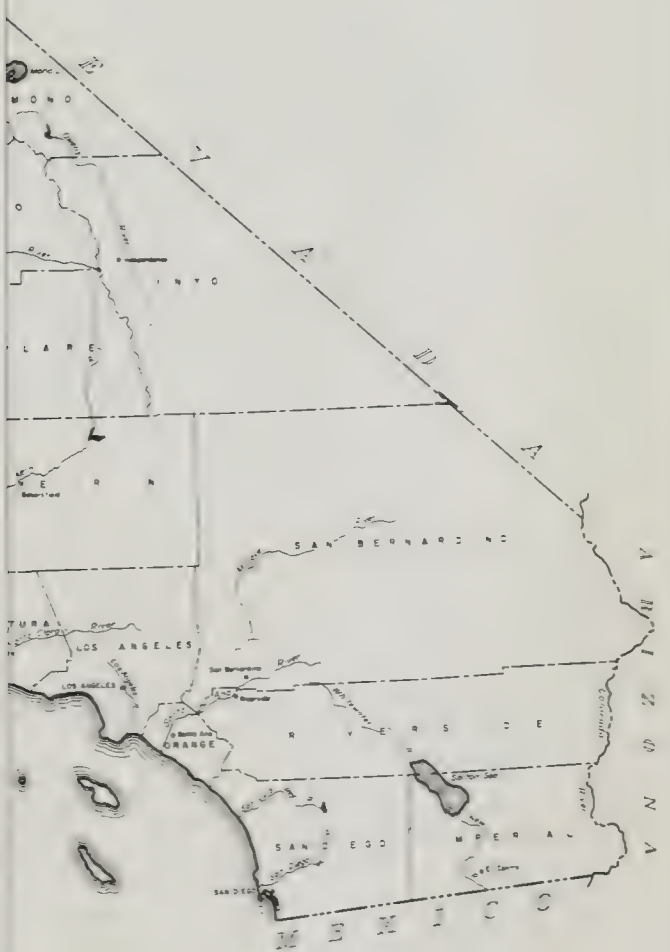

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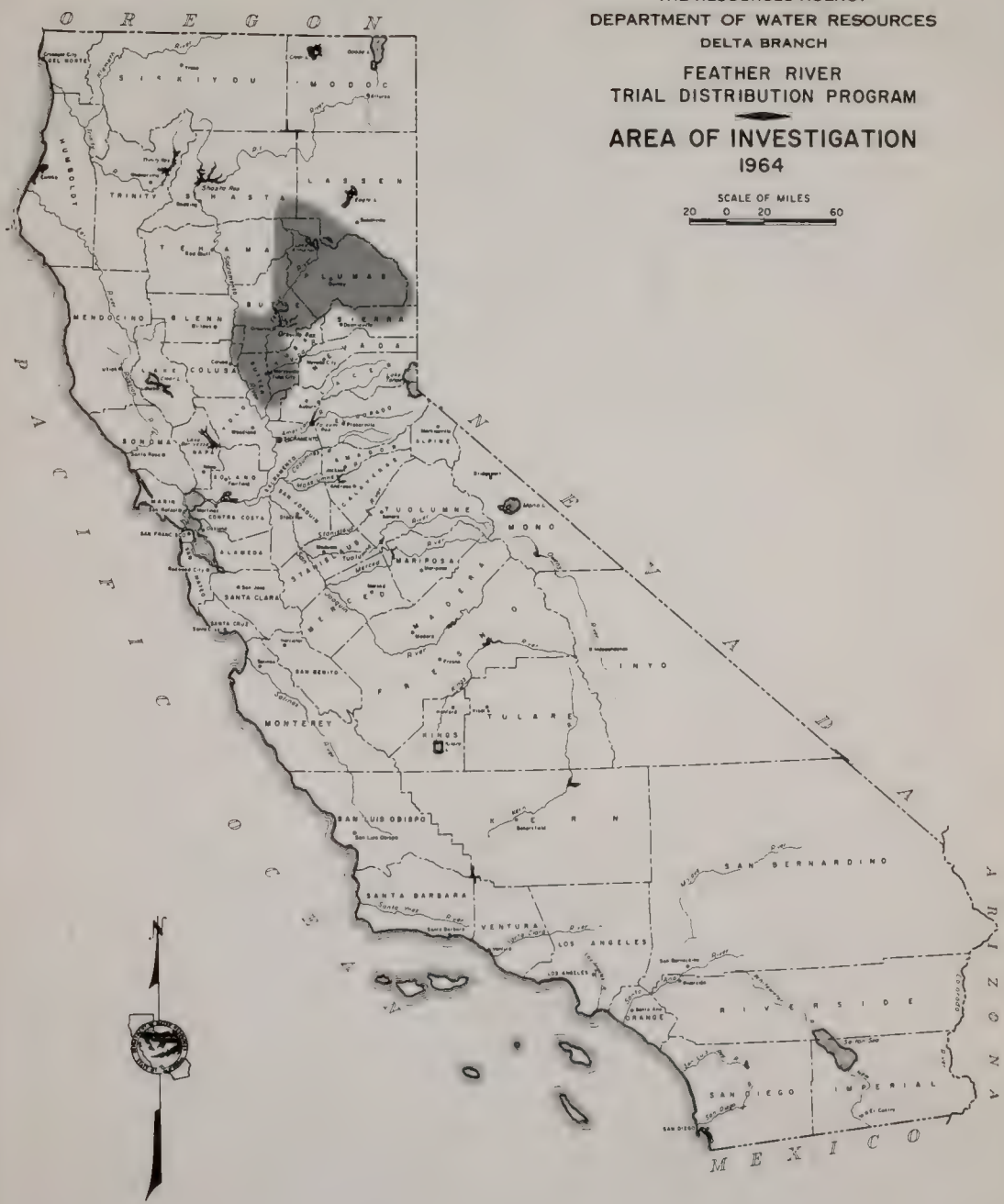

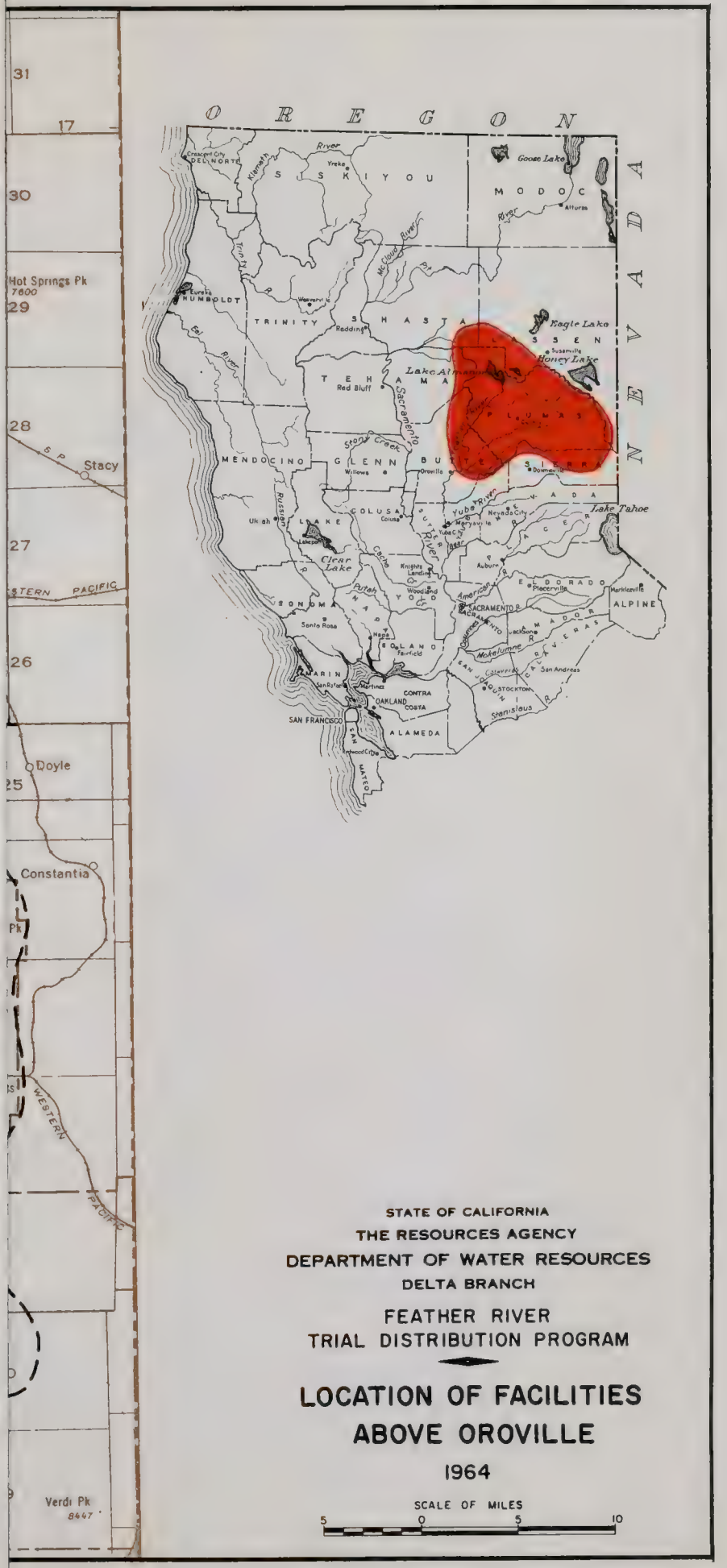
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17
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Hot Springs Pk
7600
29
28
S P
Stacy
27
WESTERN PACIFIC
26
Doyle
25
Constantia
Pk
WESTERN
PACIFIC
Verdi Pk
8447
O R E G O N
NEVADA
Goose Lake
MODOC
SISKIYOU
Crescent City
DEL NORTE
Klamath River
Yreka
Alturas
Pit River
McCloud River
Eagle Lake
LASSEN
Susanville
Honey Lake
HUMBOLDT
Eureka
TRINITY
SHASTA
Redding
Lake Almanor
PLUMAS
TEHAMA
Red Bluff
Sacramento River
Eel River
Stony Creek
MENDOCINO
GLENN
BUTTE
Willows
Oroville
SIERRA
Downieville
Yuba River
Nevada City
Marysville
Yuba City
Lake Tahoe
COLUSA
Colusa
LAKE
Ukiah
Lakeport
Clear Lake
Cache Creek
Knights Landing
Putah Creek
Woodland
YOLO
Auburn
PLACER
EL DORADO
Placerville
Markleeville
ALPINE
SONOMA
Santa Rosa
Napa
Fairfield
SOLANO
American River
SACRAMENTO
Sacramento River
Mokelumne River
AMADOR
CALAVERAS
Calaveras River
San Andreas
SAN JOAQUIN
STOCKTON
Stanislaus River
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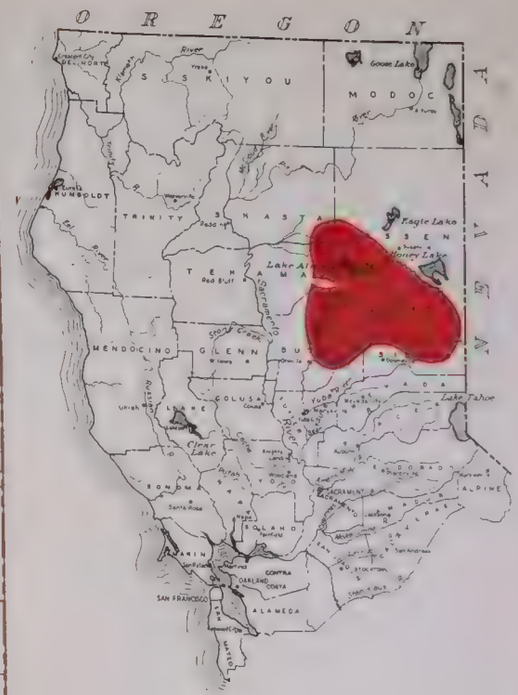

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LOCATION OF FACILITIES ABOVE OROVILLE

1964

SCALE OF MILES
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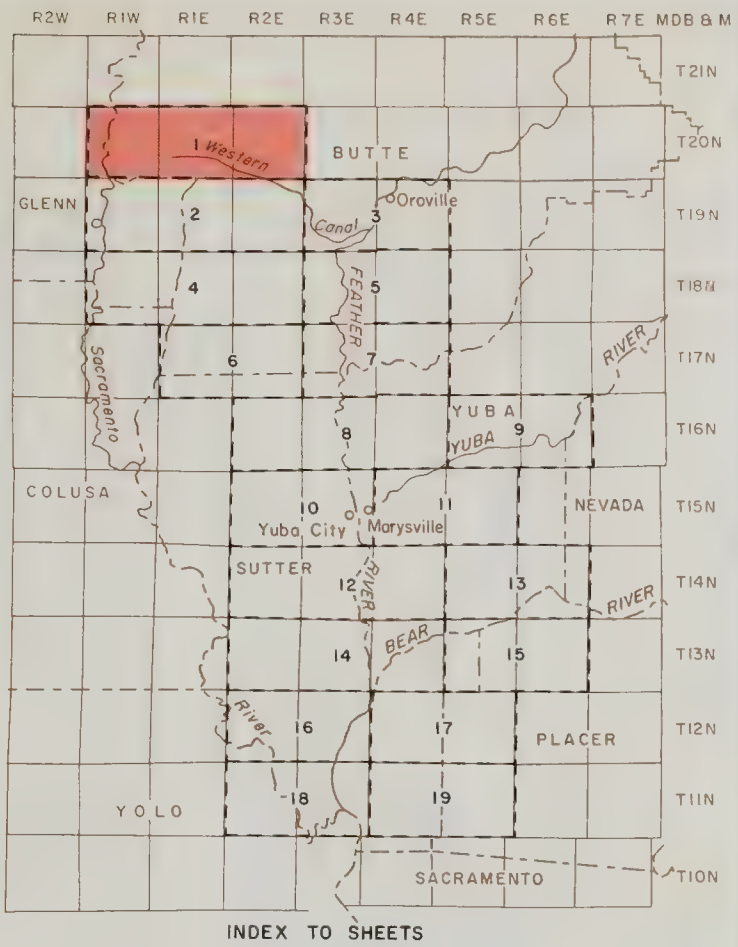

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- ASSUMED RIPARIAN AREA INCLUDED IN PLACE OF USE
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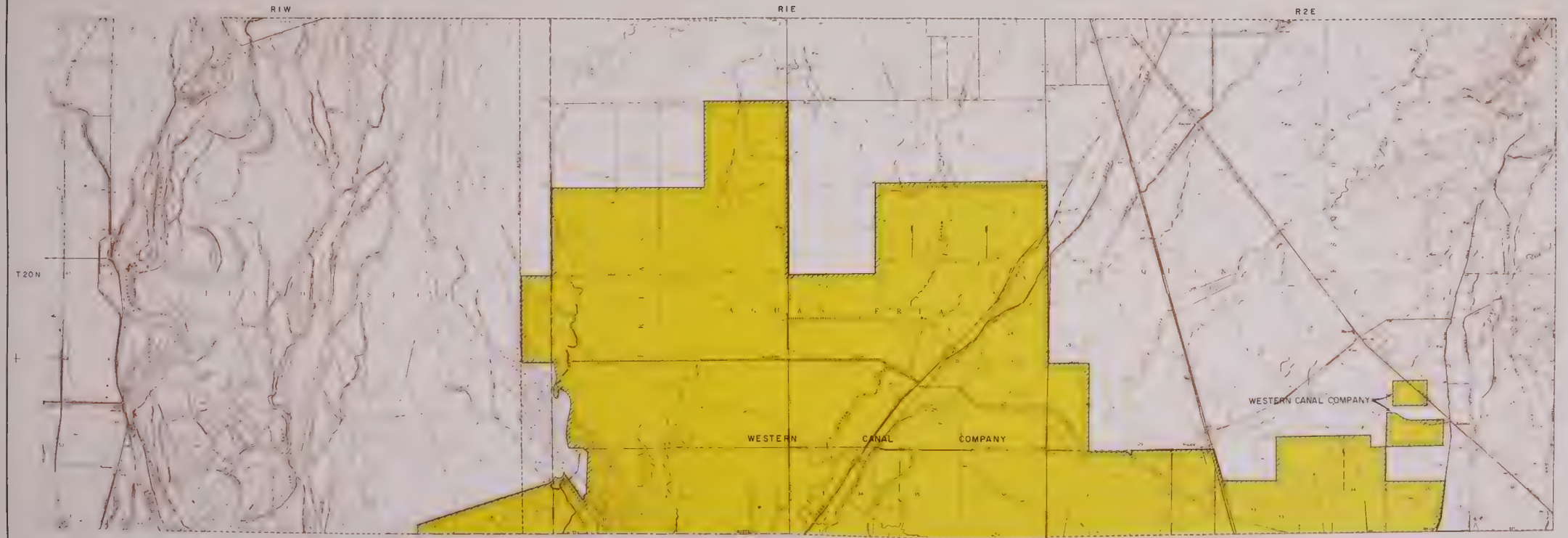

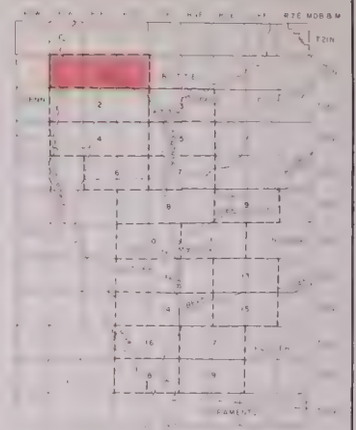

LEGEND

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ASSUMED RIPARIAN LANDS PLACE OF USE OF APPROPRIATIVE RIGHTS AND BOUNDARIES OF LOCAL WATER USERS 1964

SCALE OF FEET
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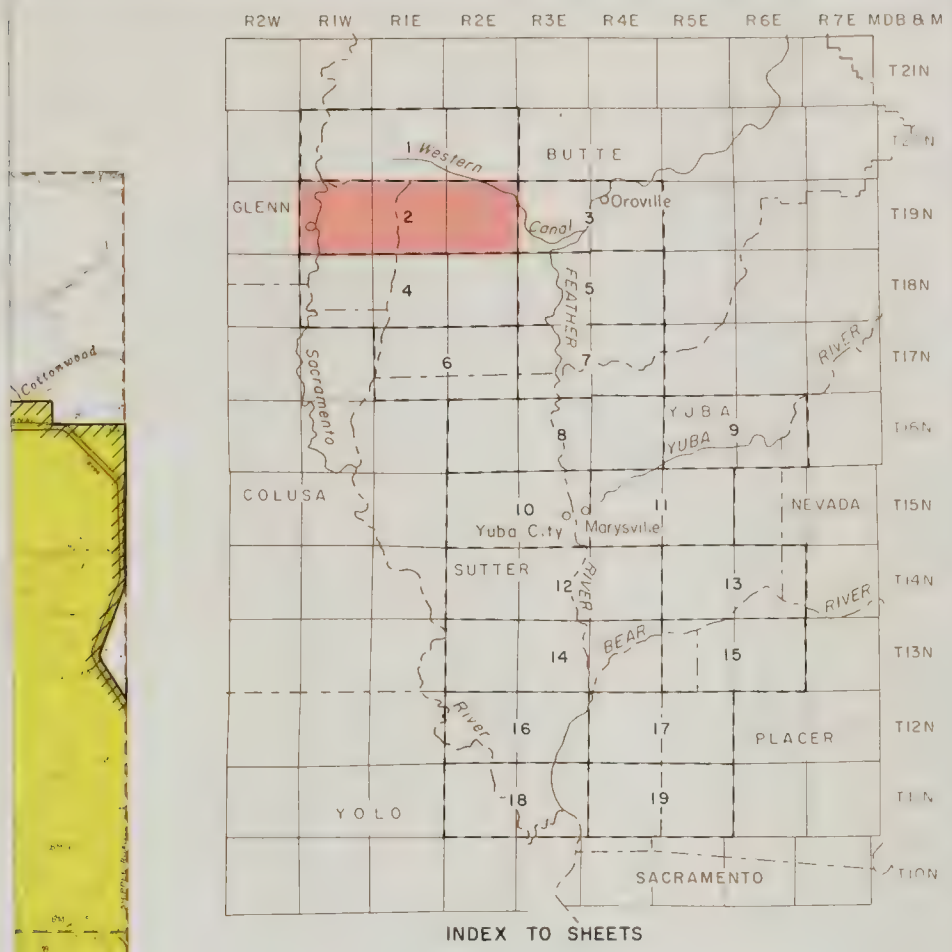

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SCALE OF FEET
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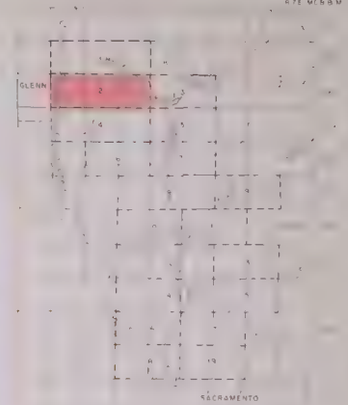

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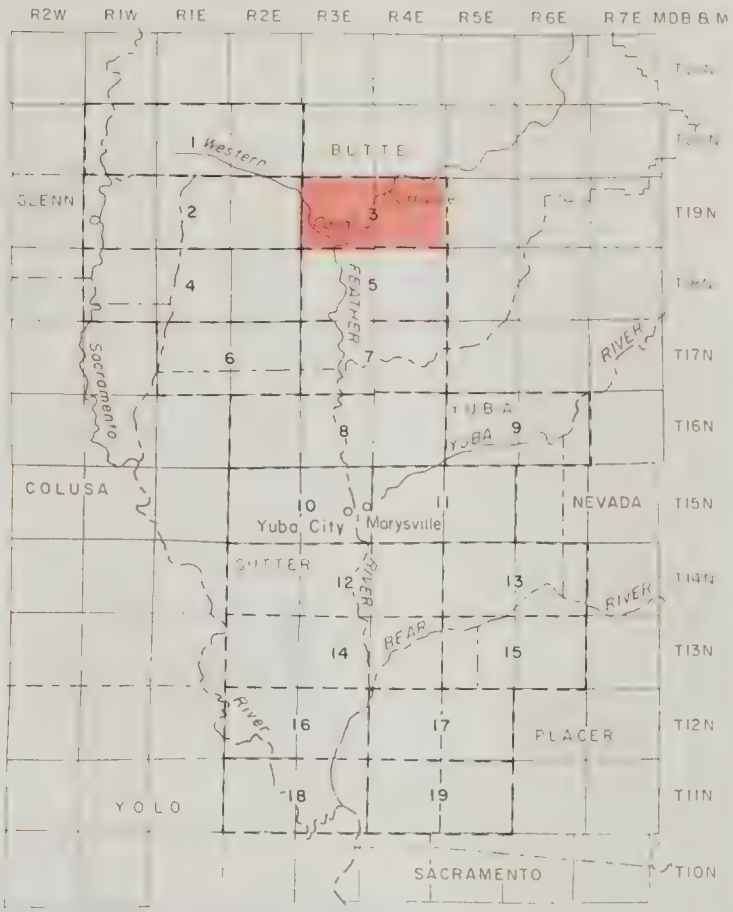

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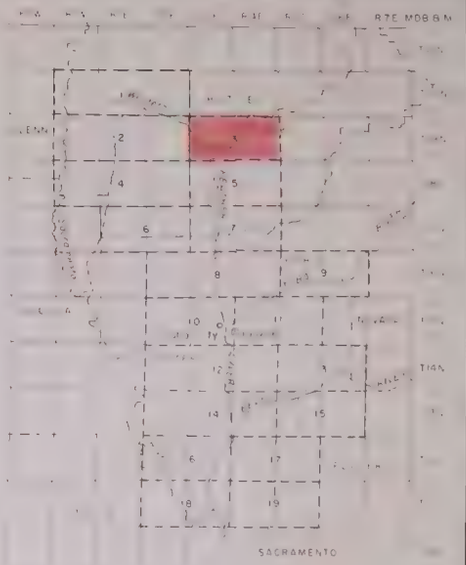

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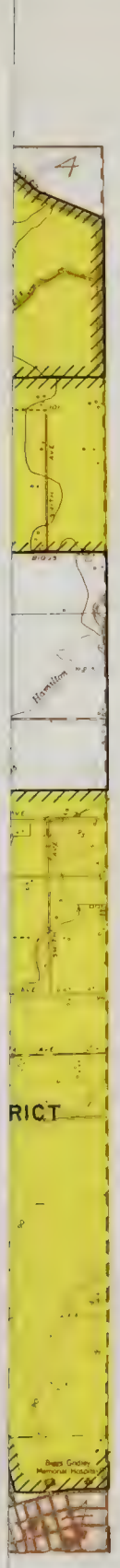

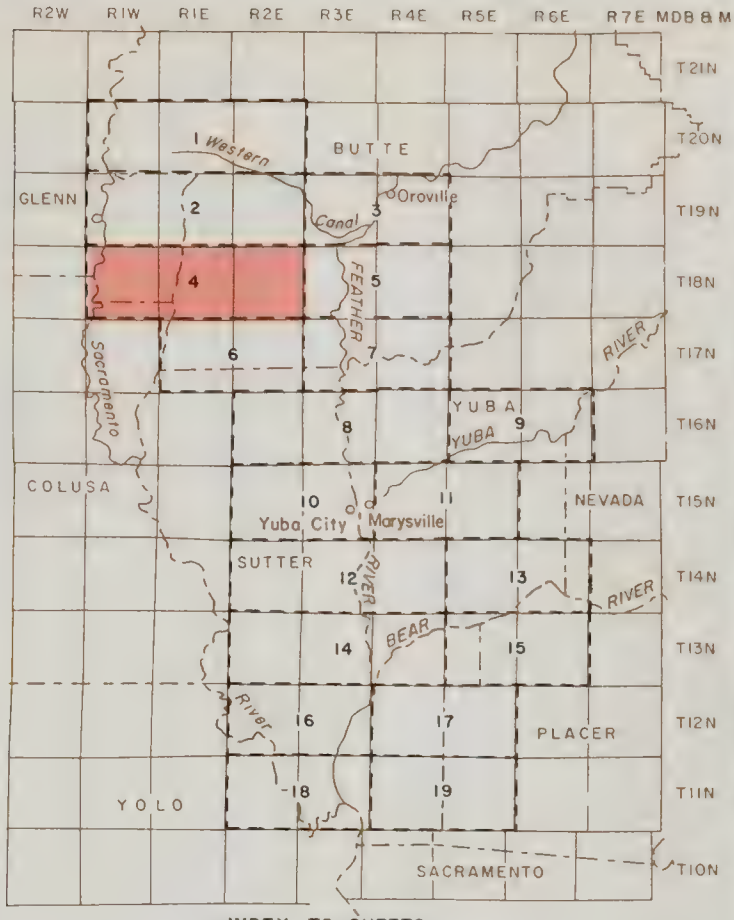

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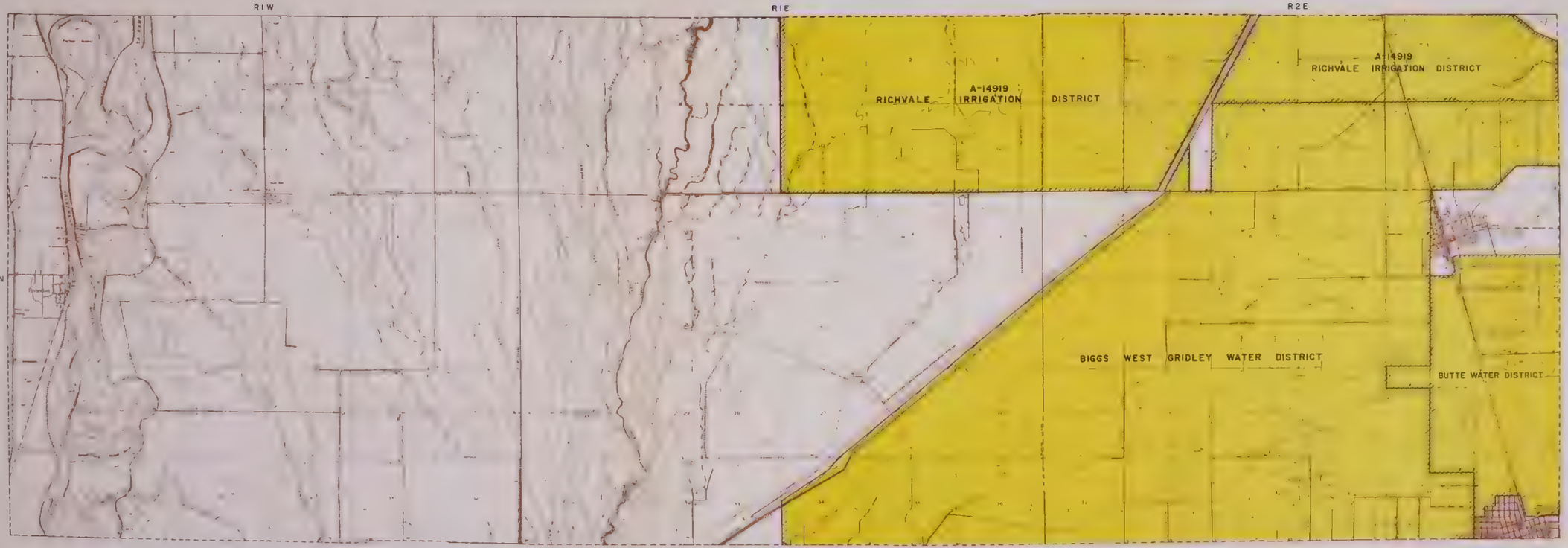

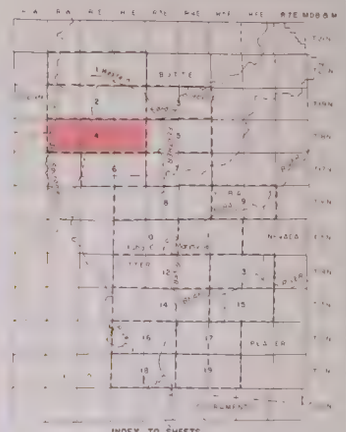

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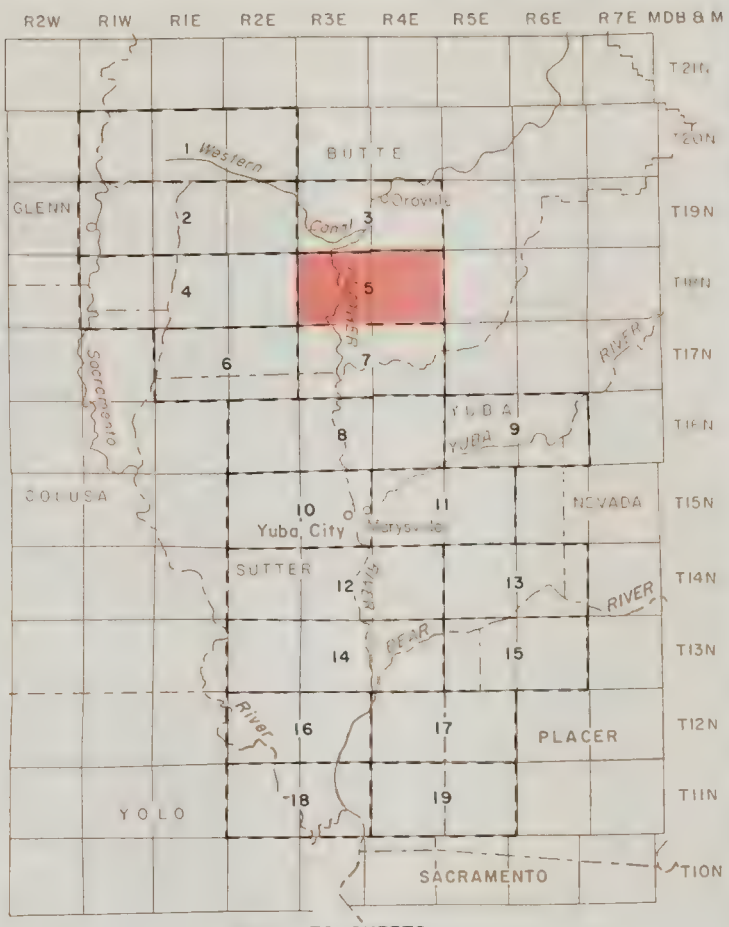

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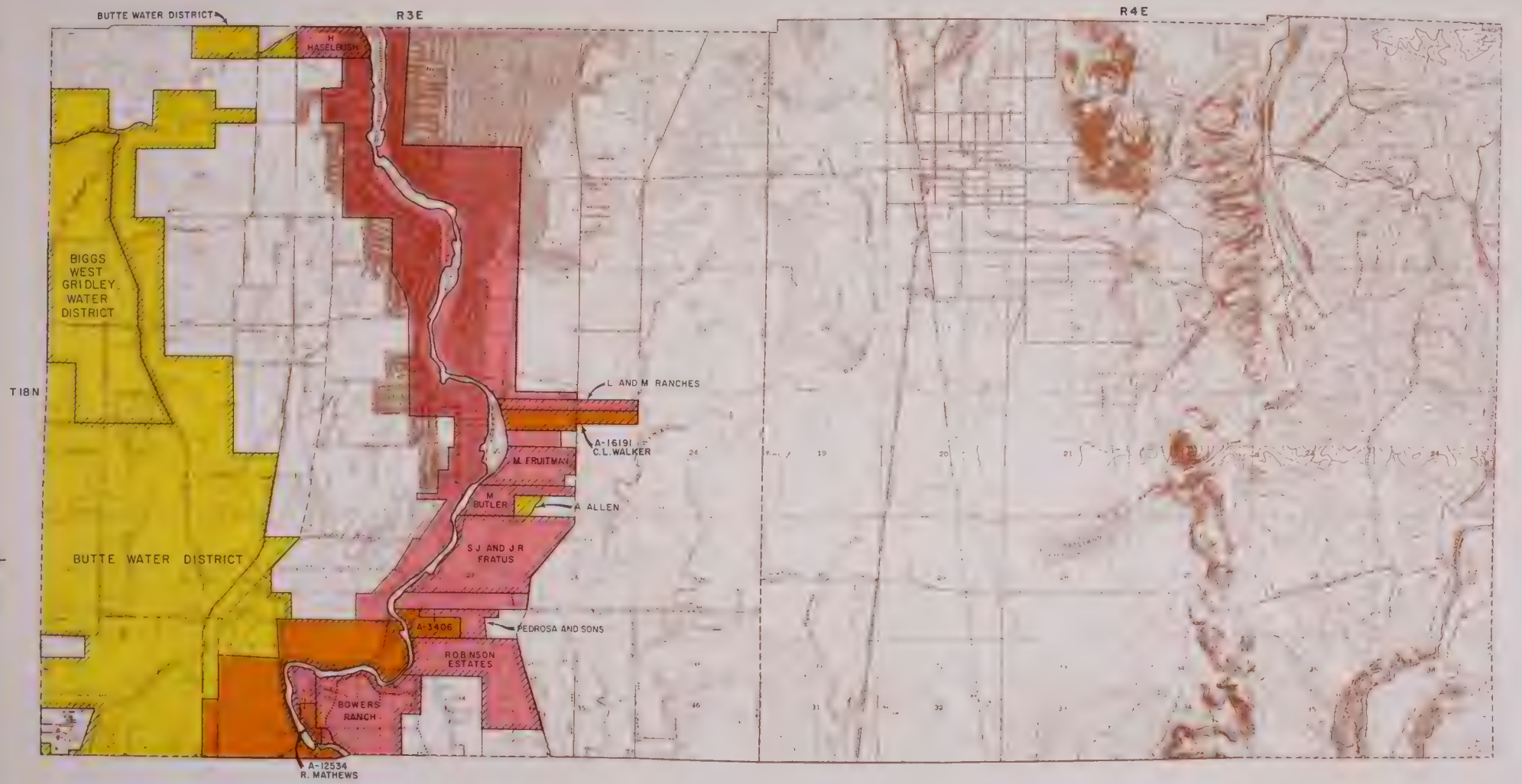

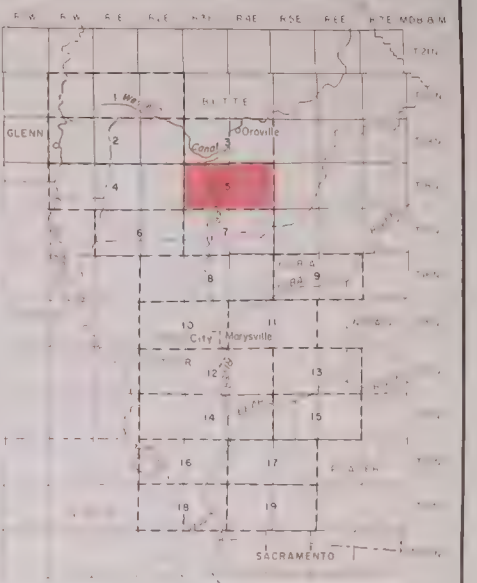

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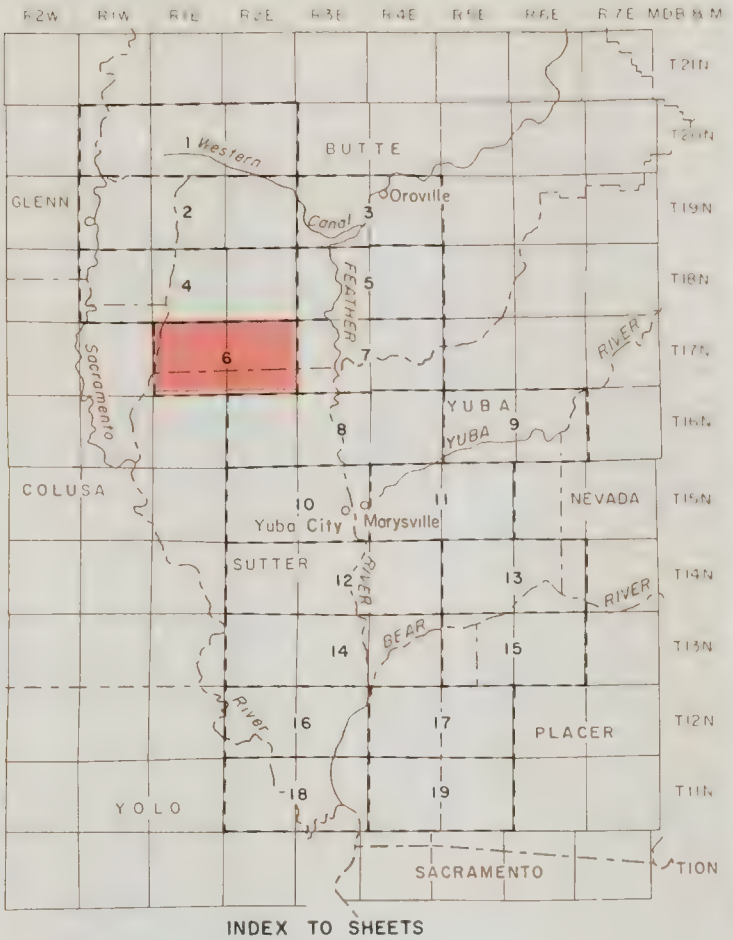

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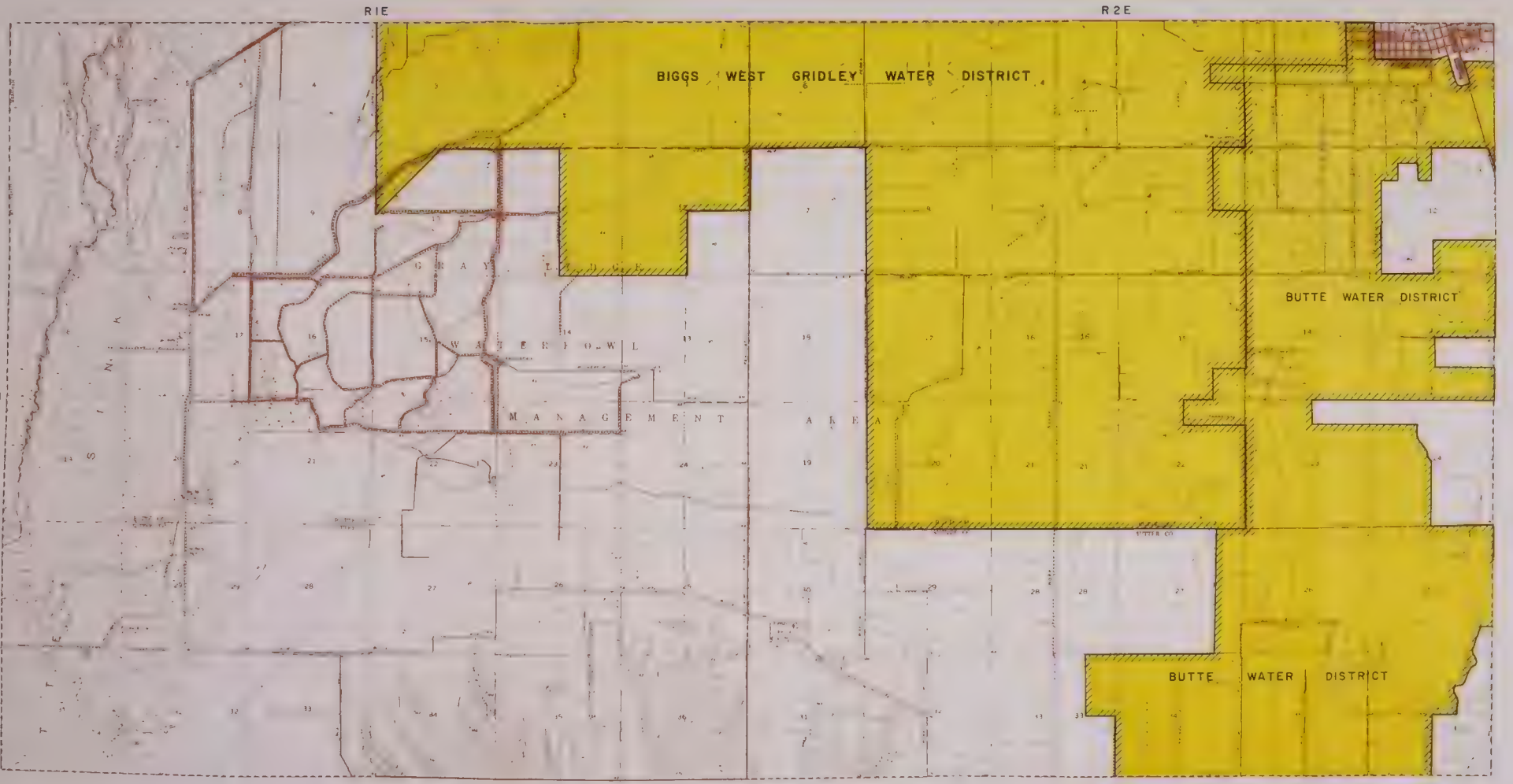

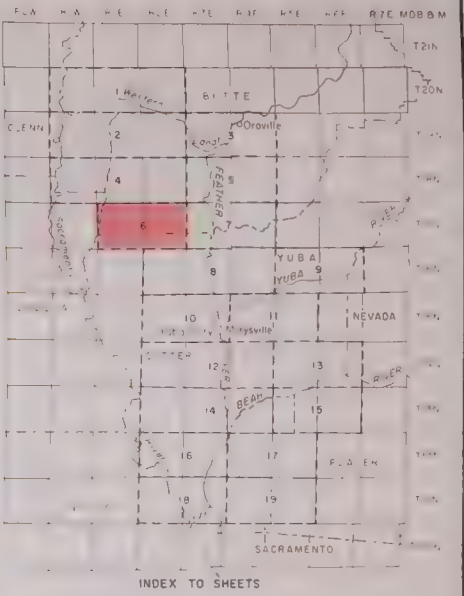

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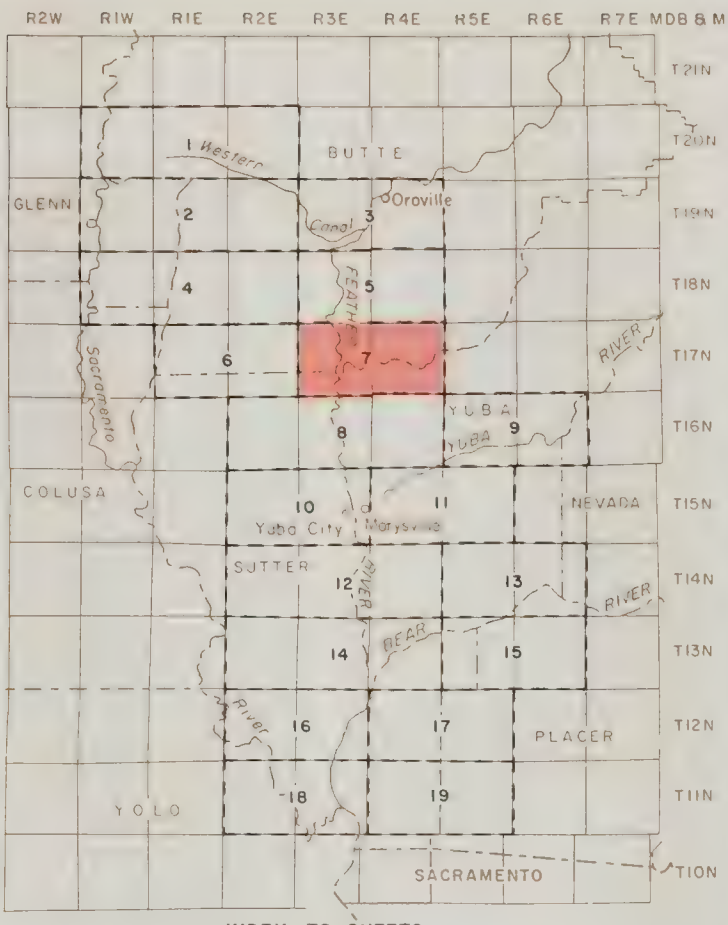

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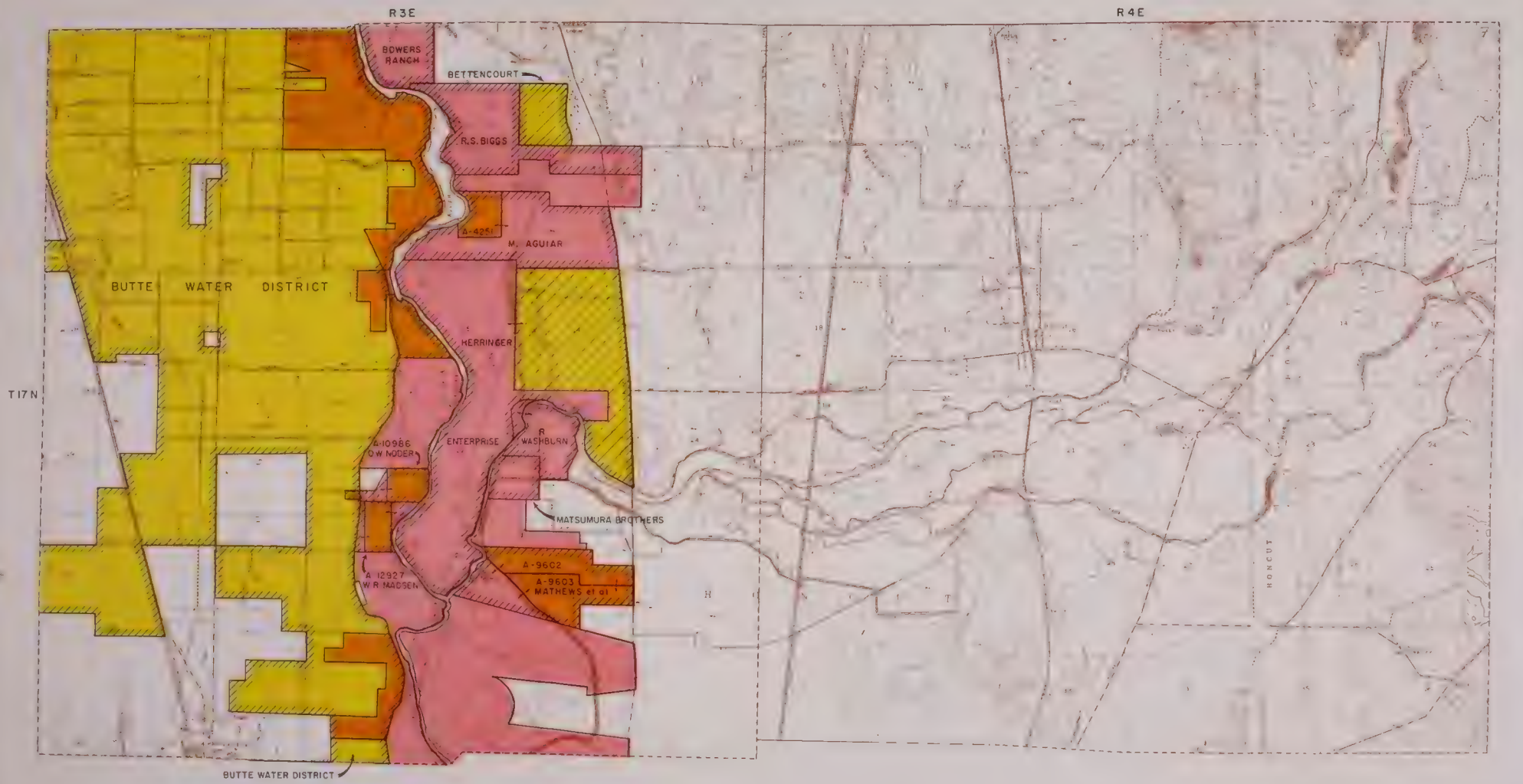

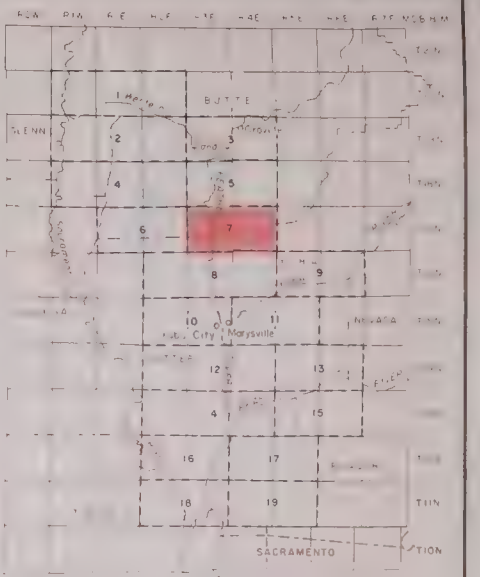

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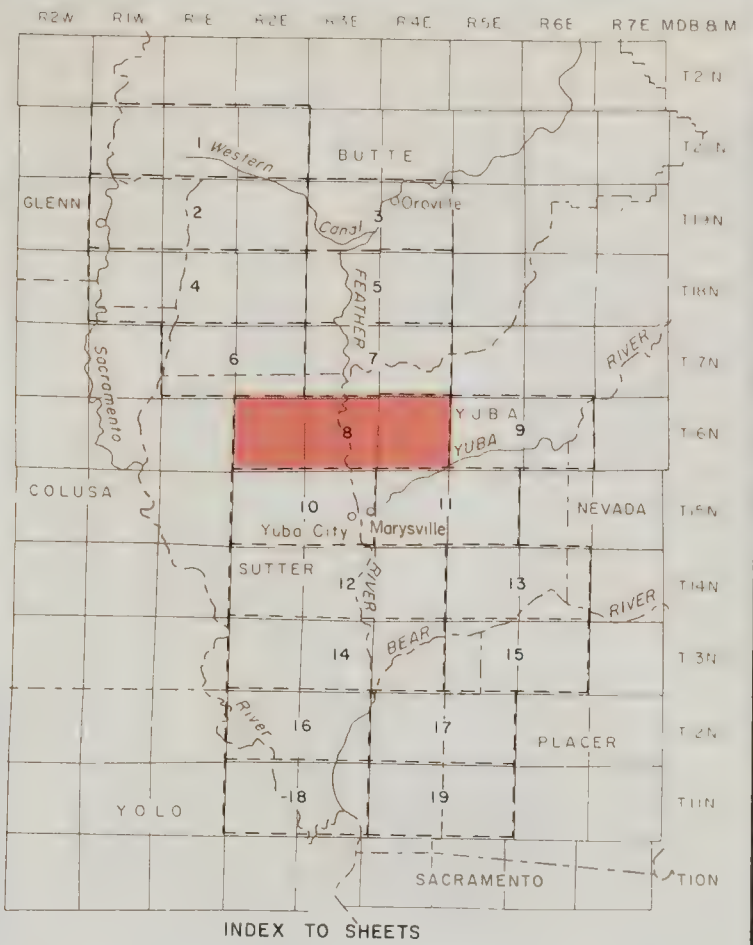

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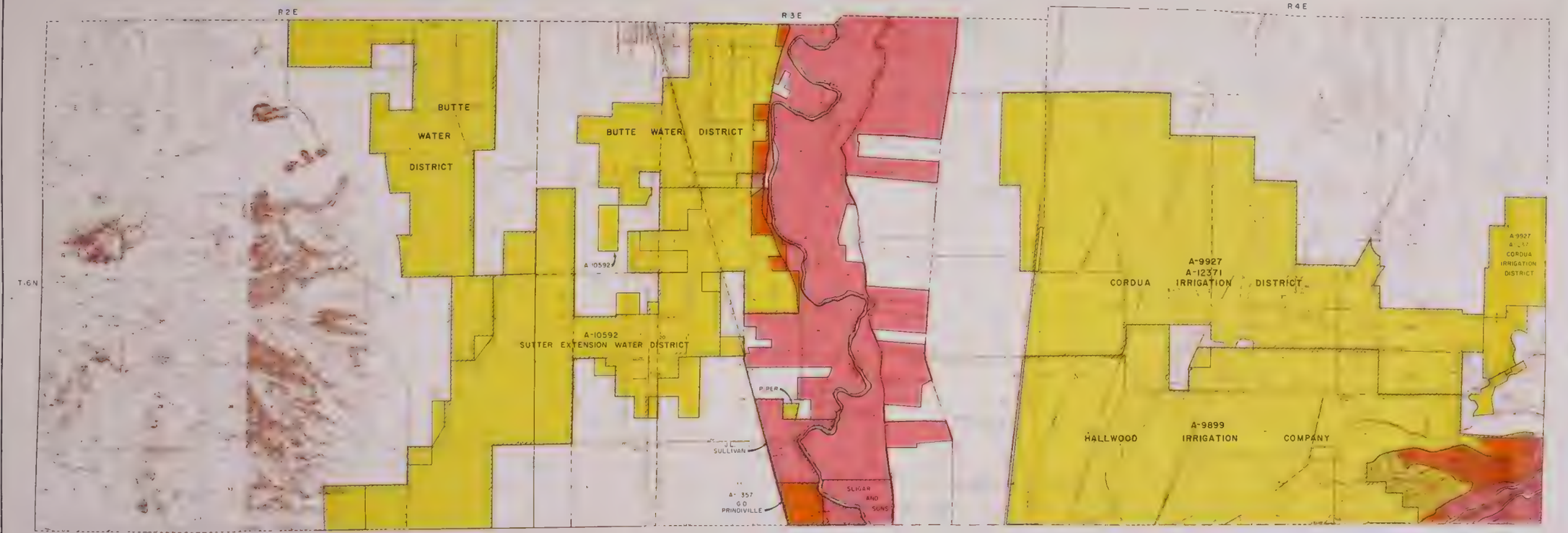

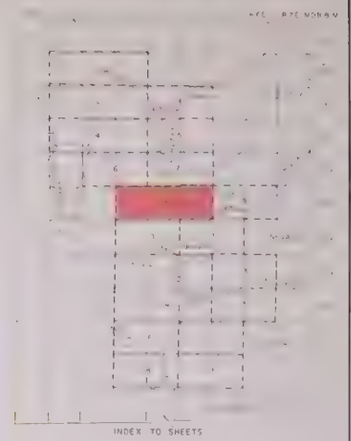

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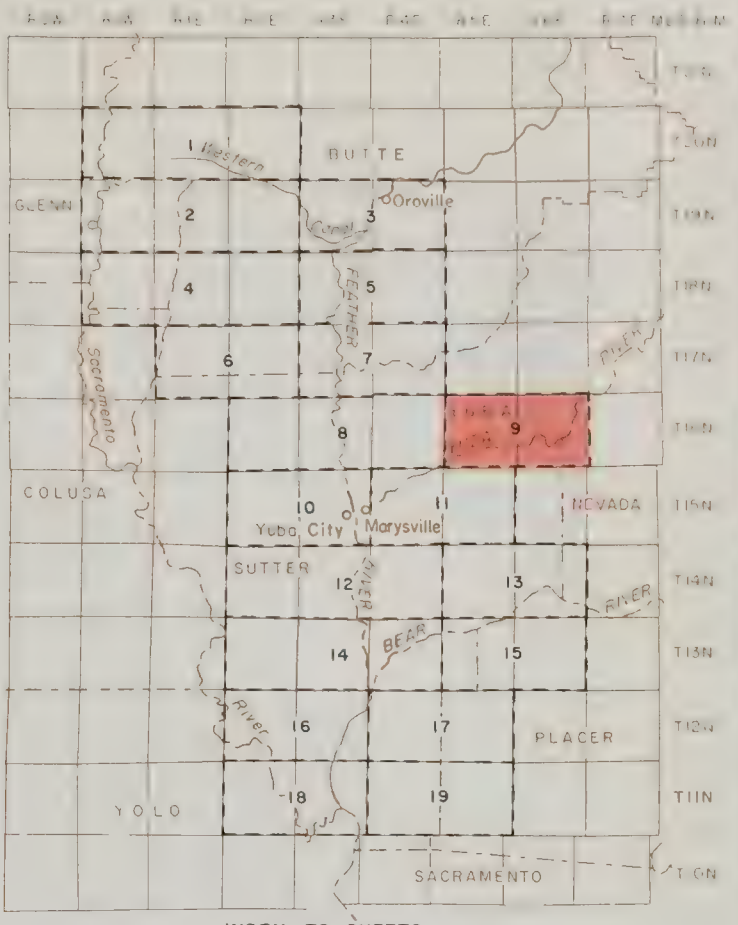

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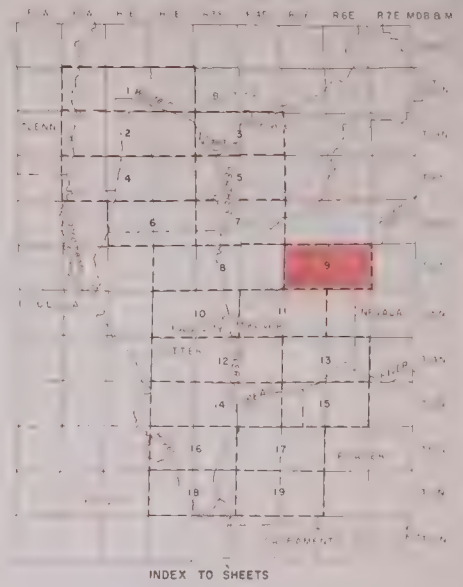

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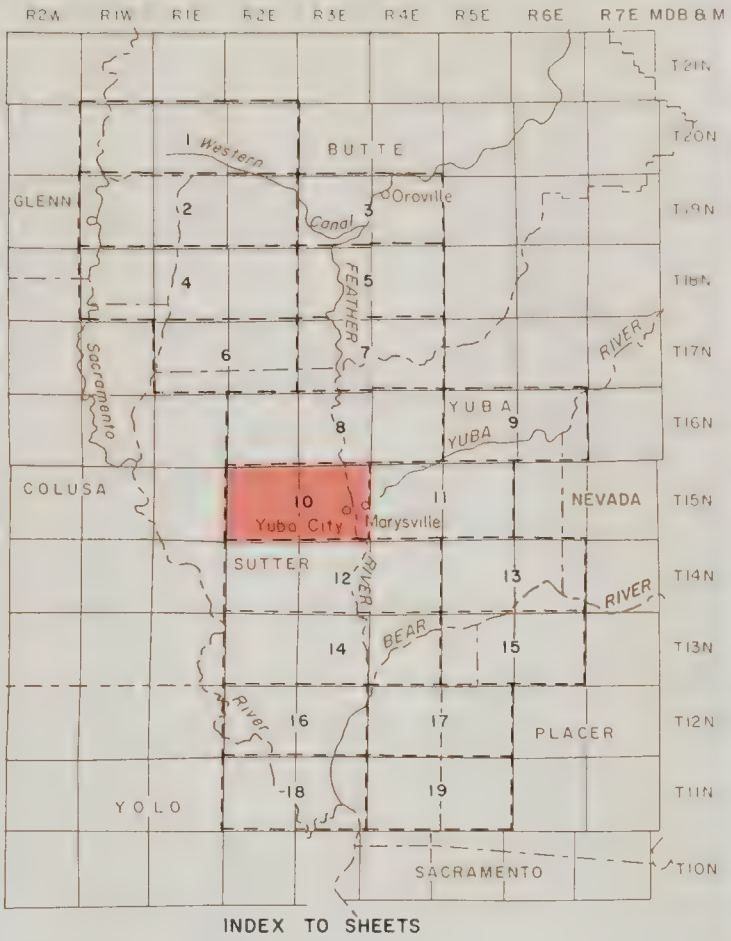

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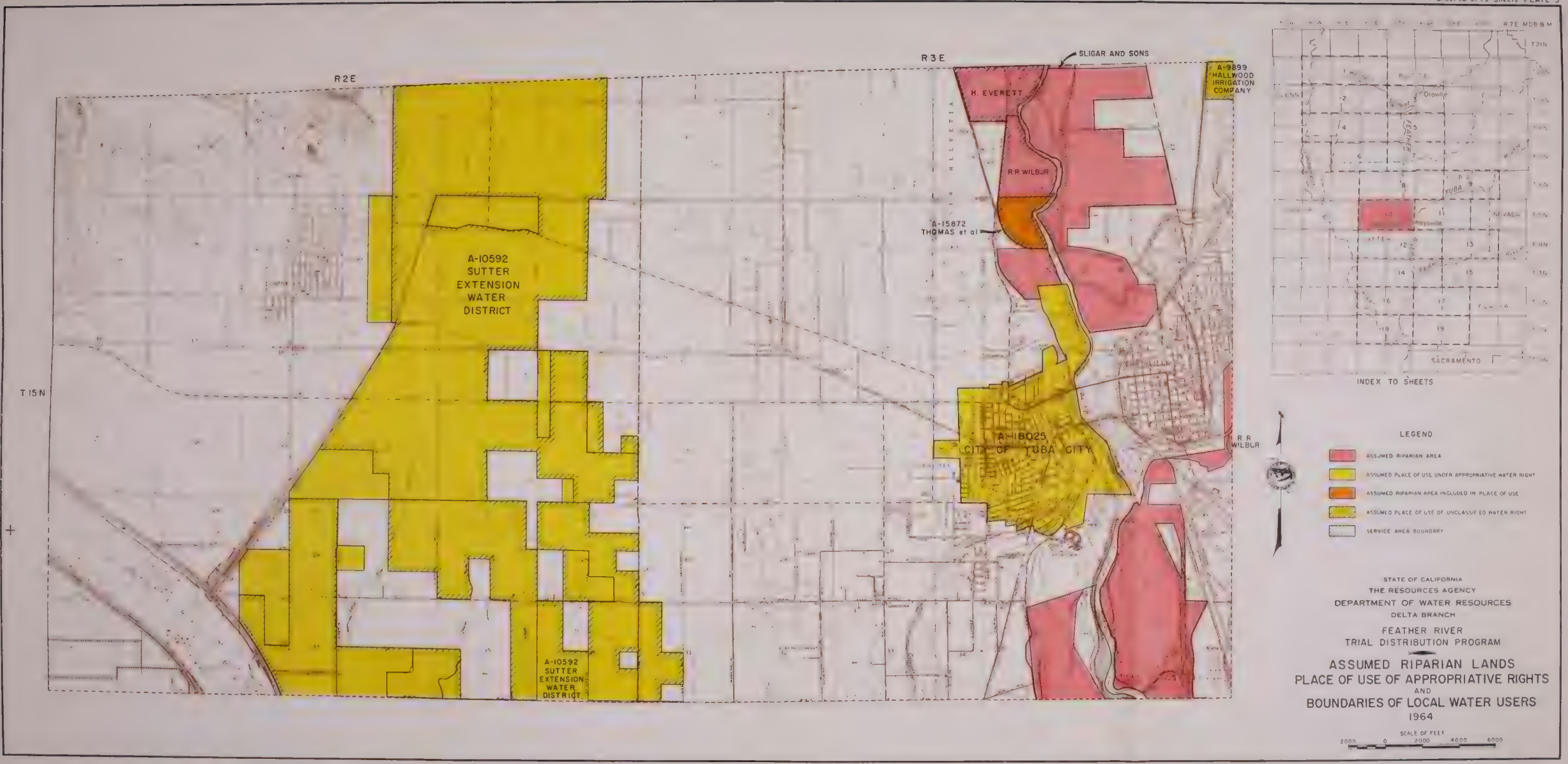

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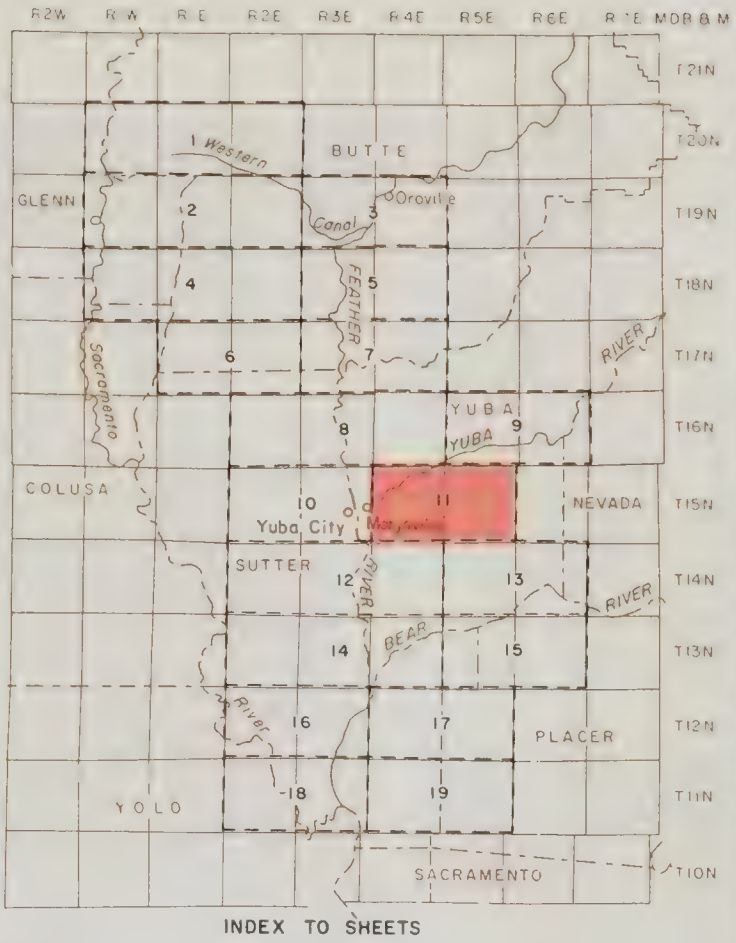

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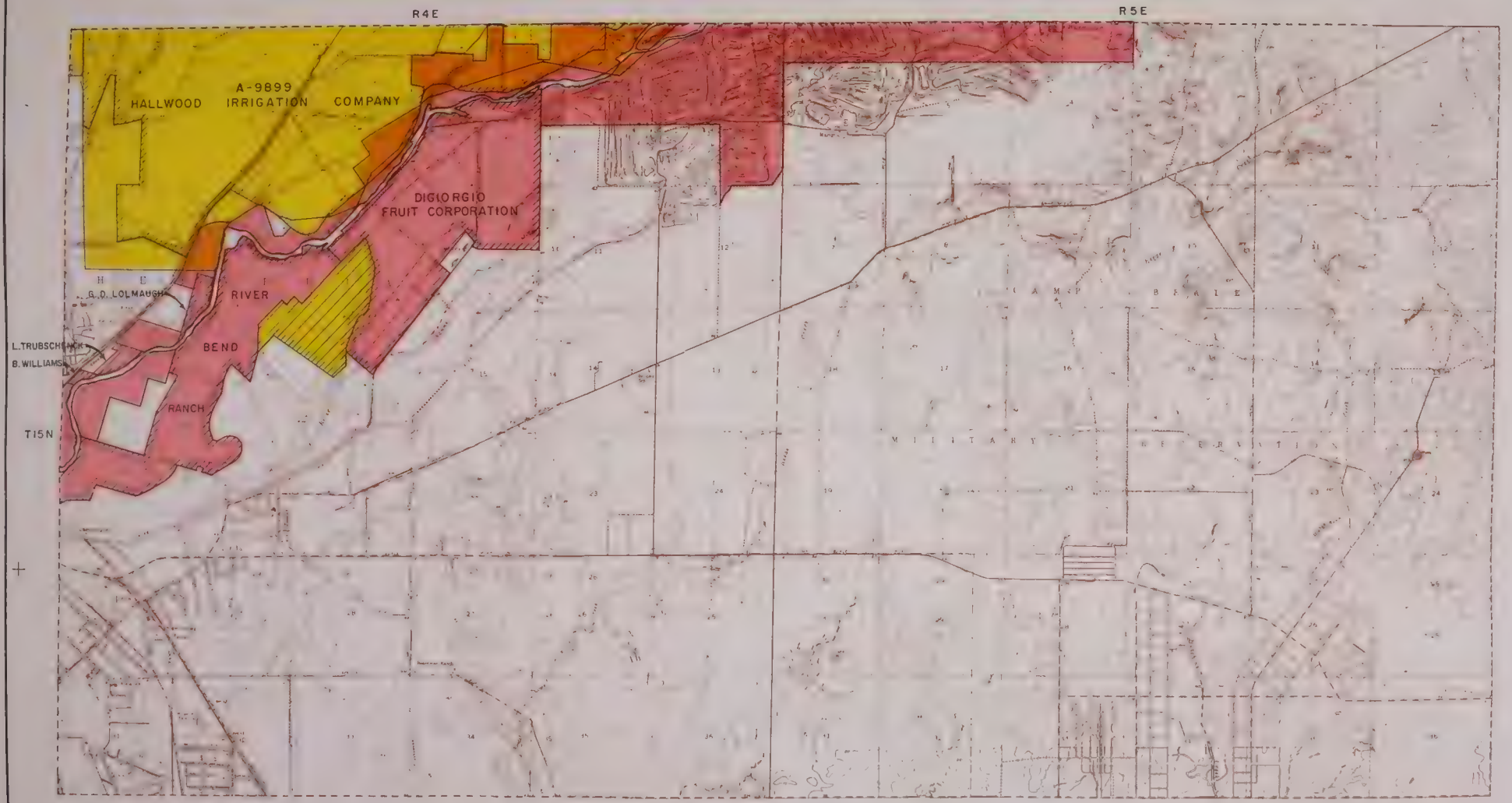

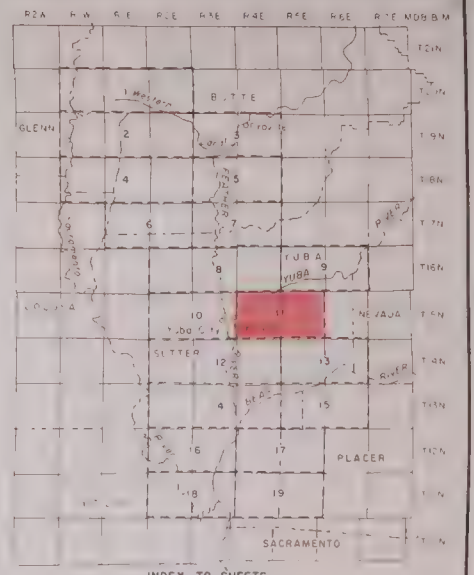

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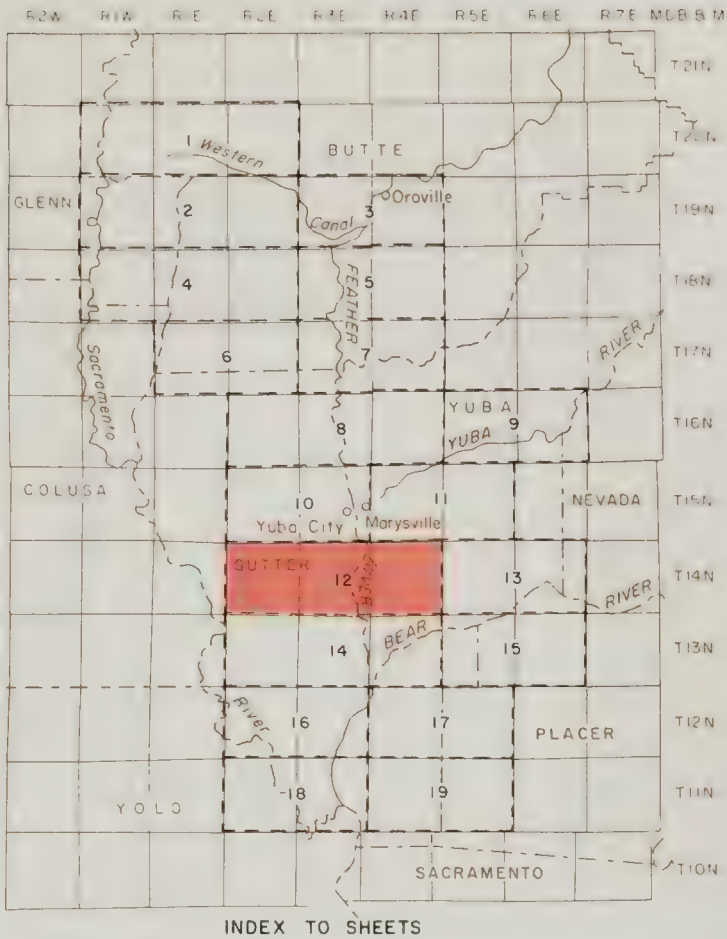

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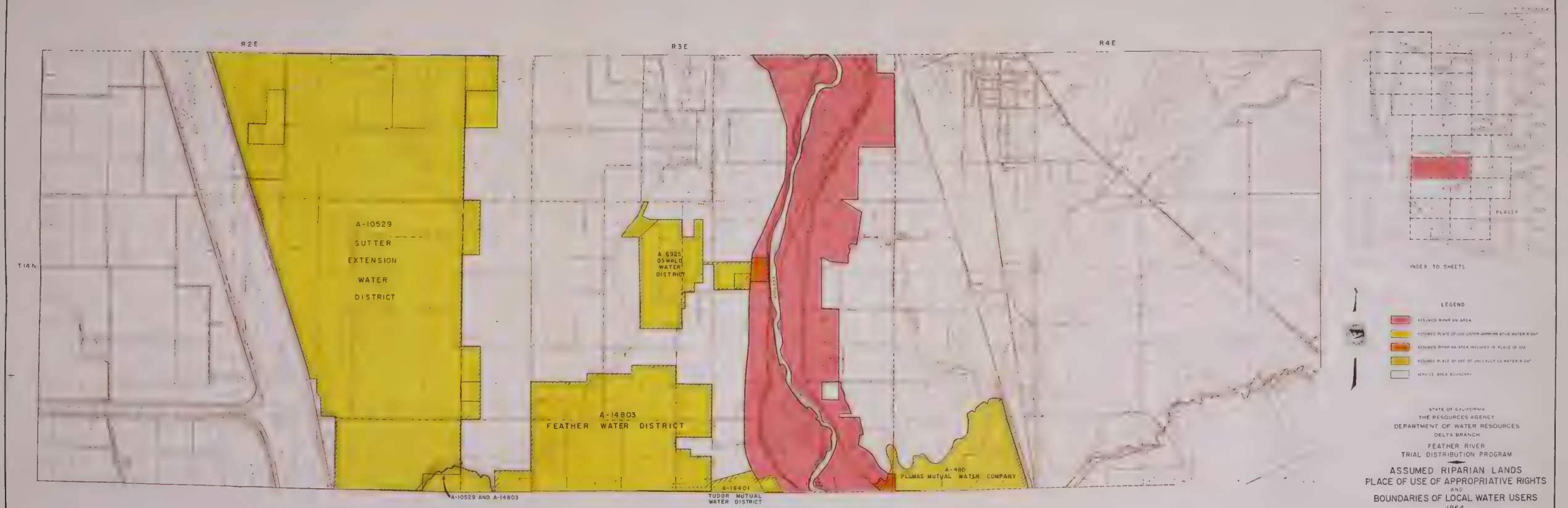

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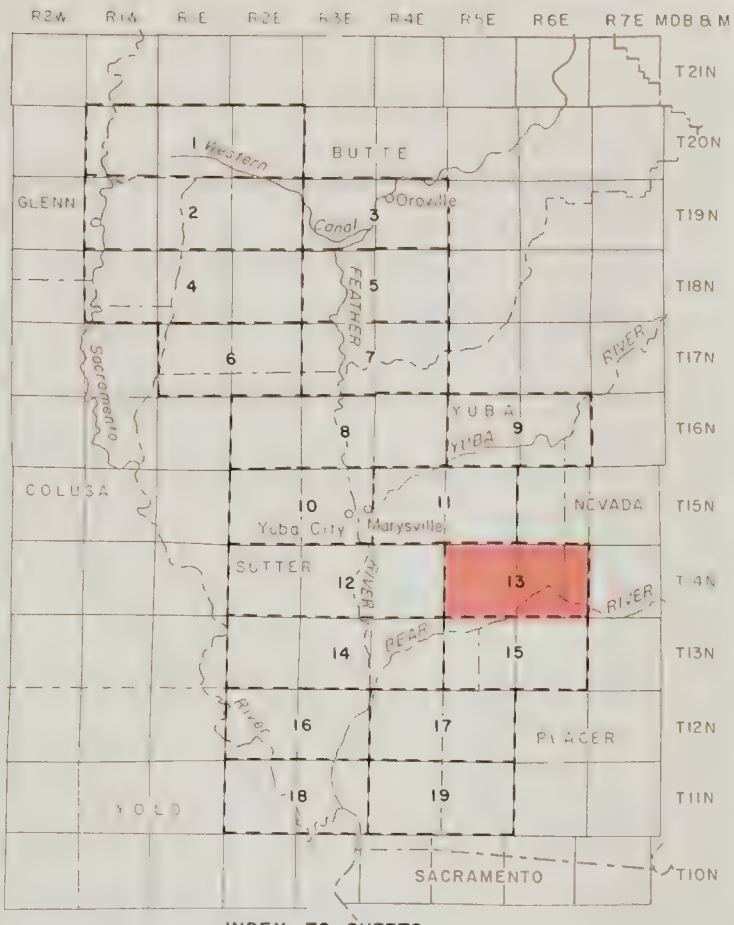

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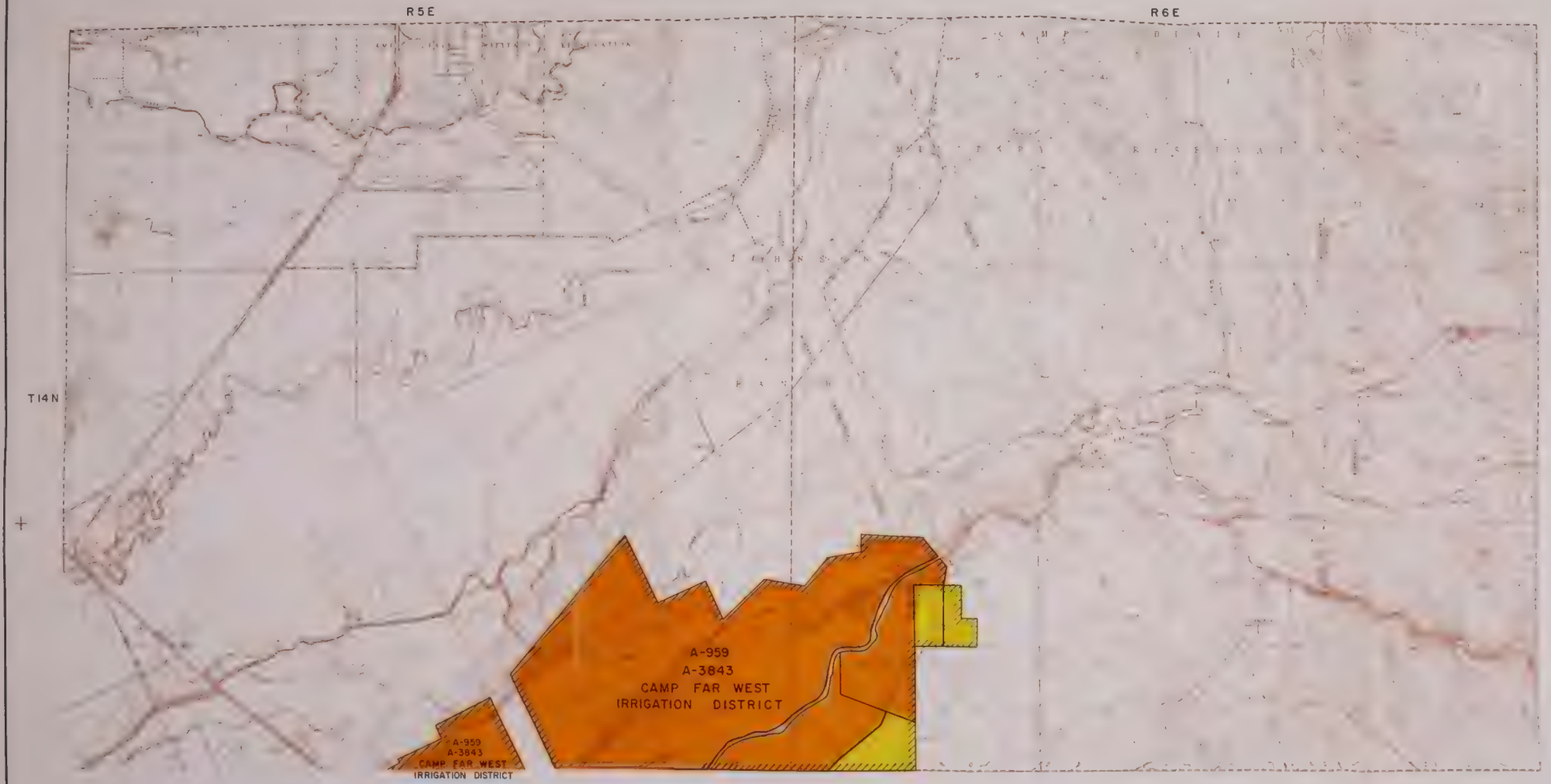

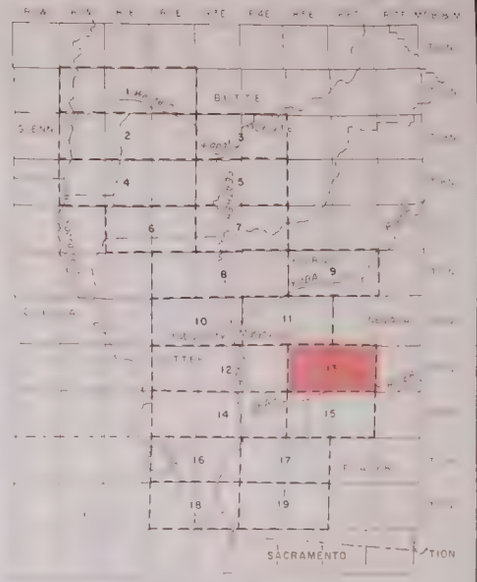

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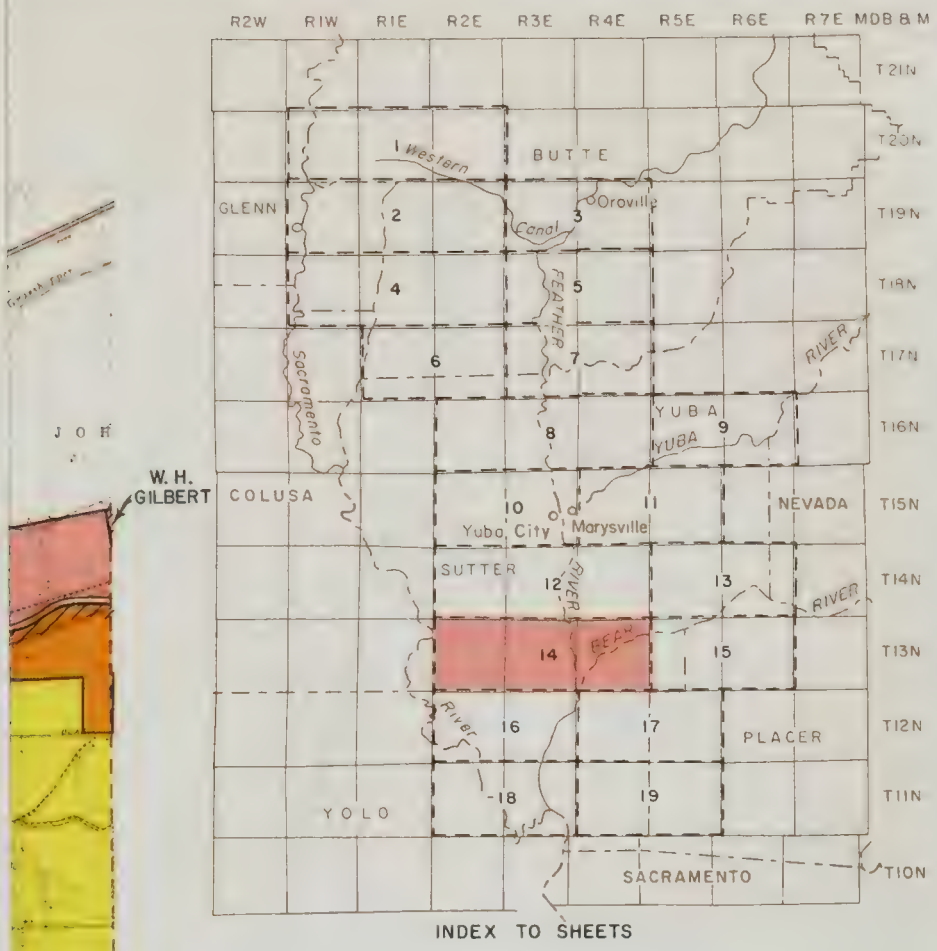

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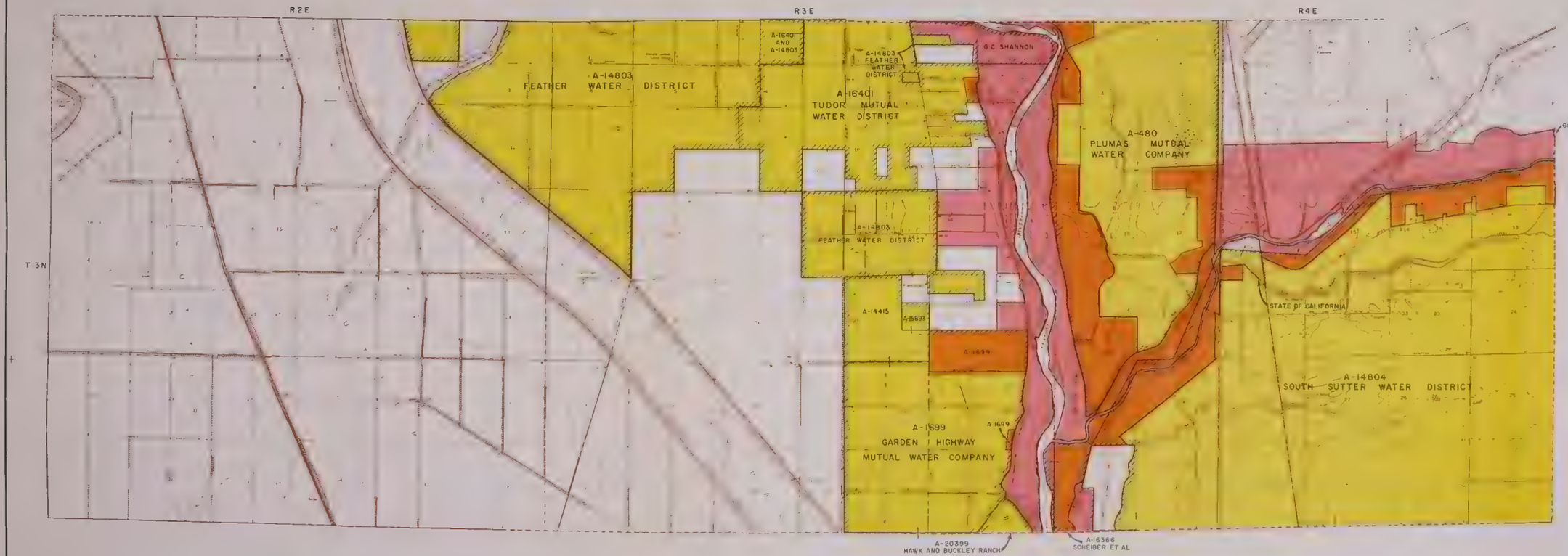

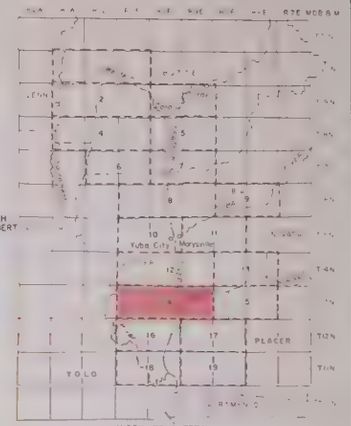

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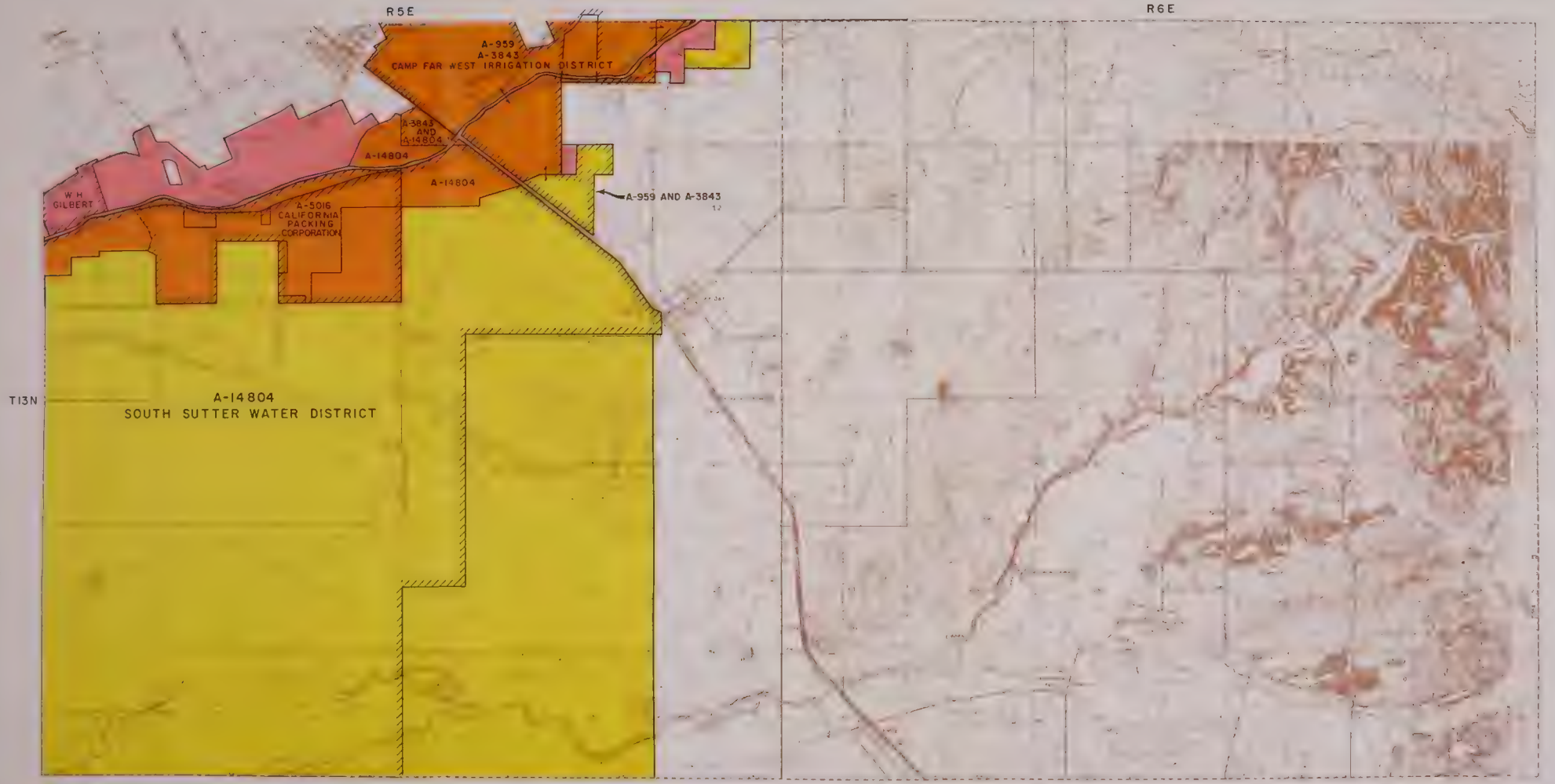

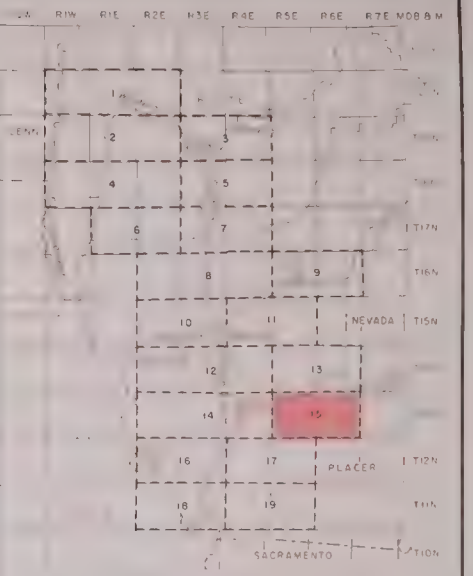

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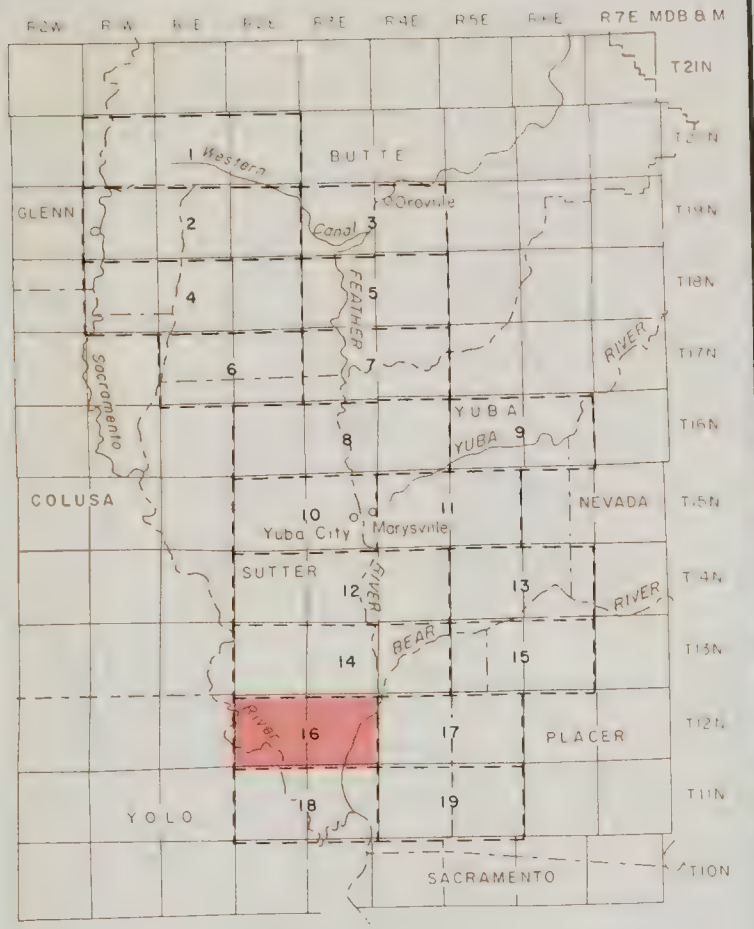

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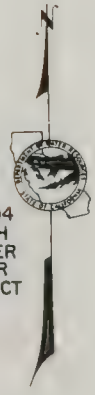

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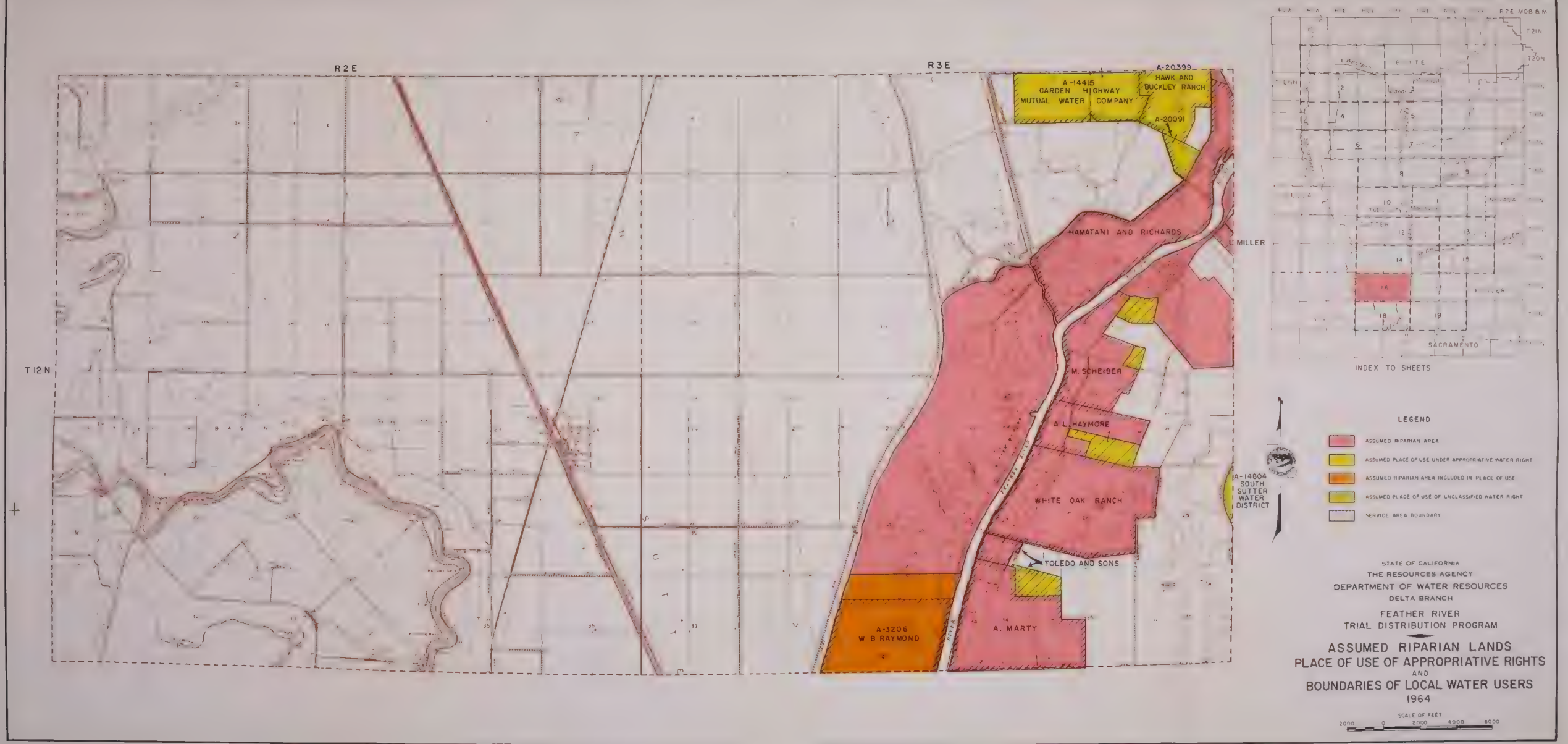

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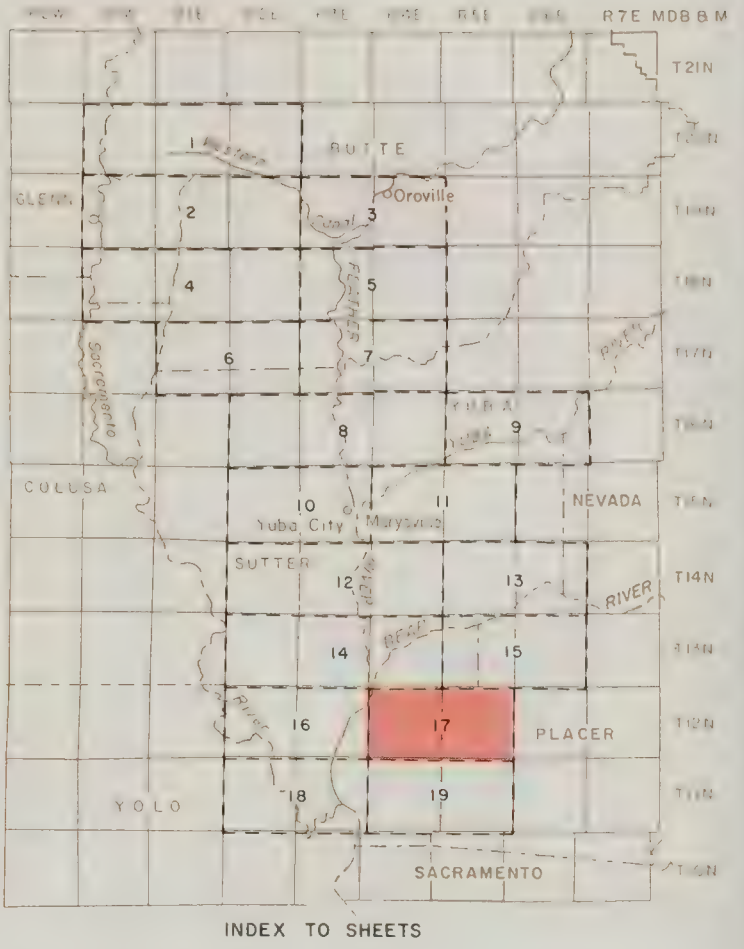

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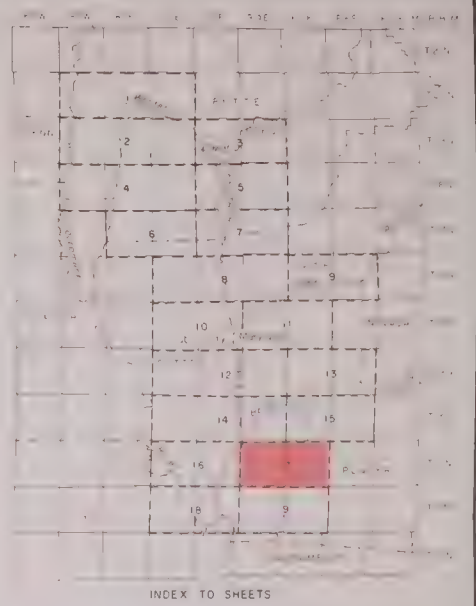

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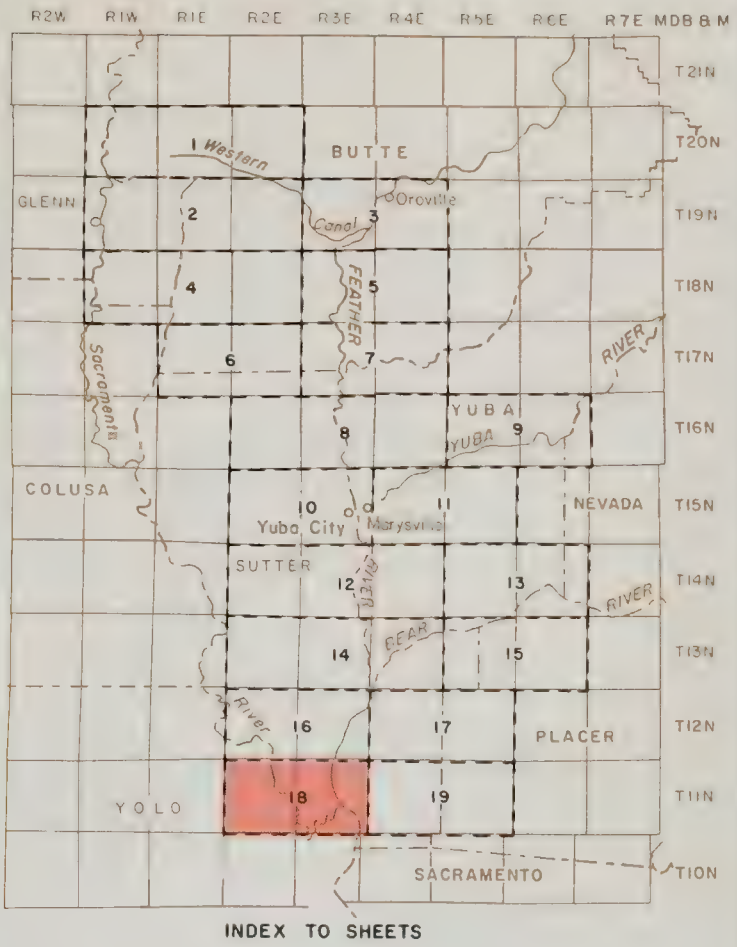

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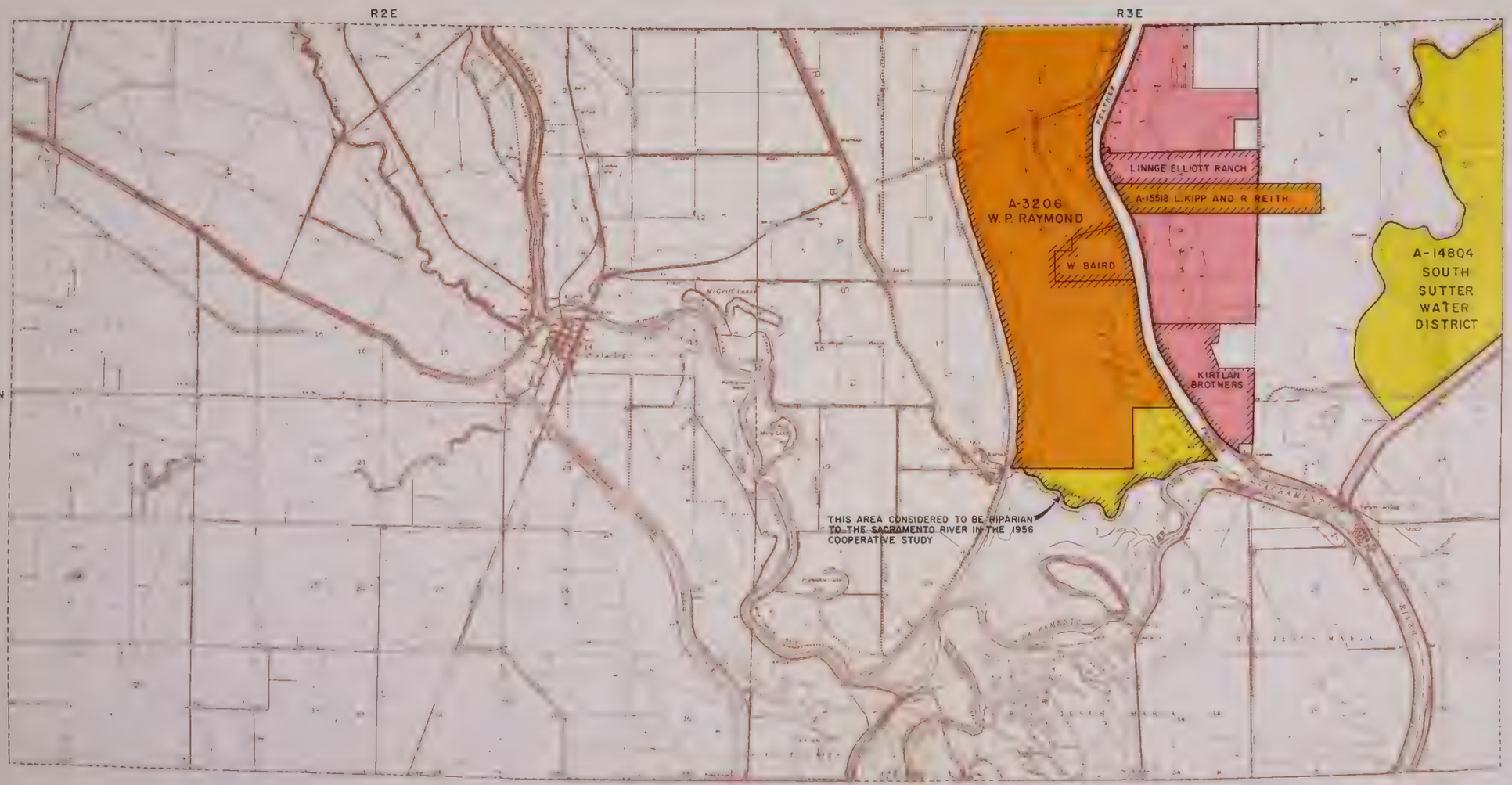

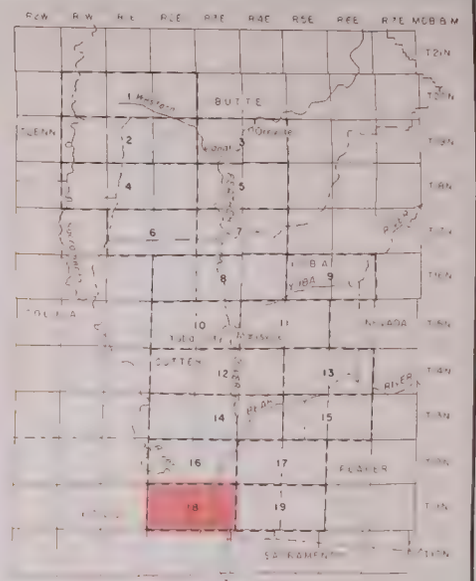

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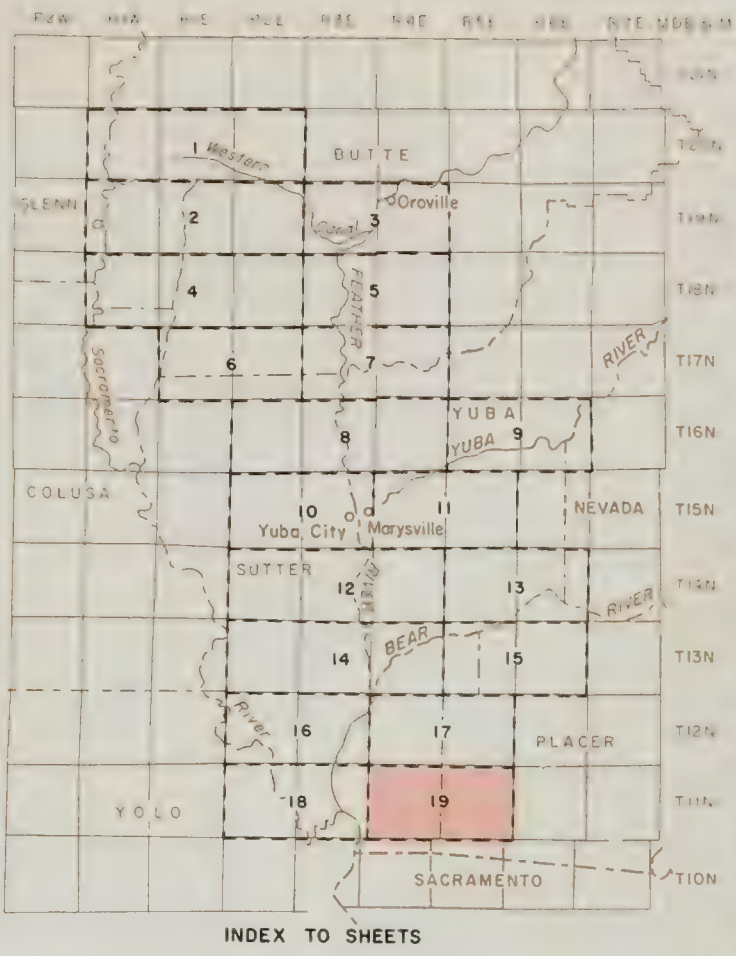

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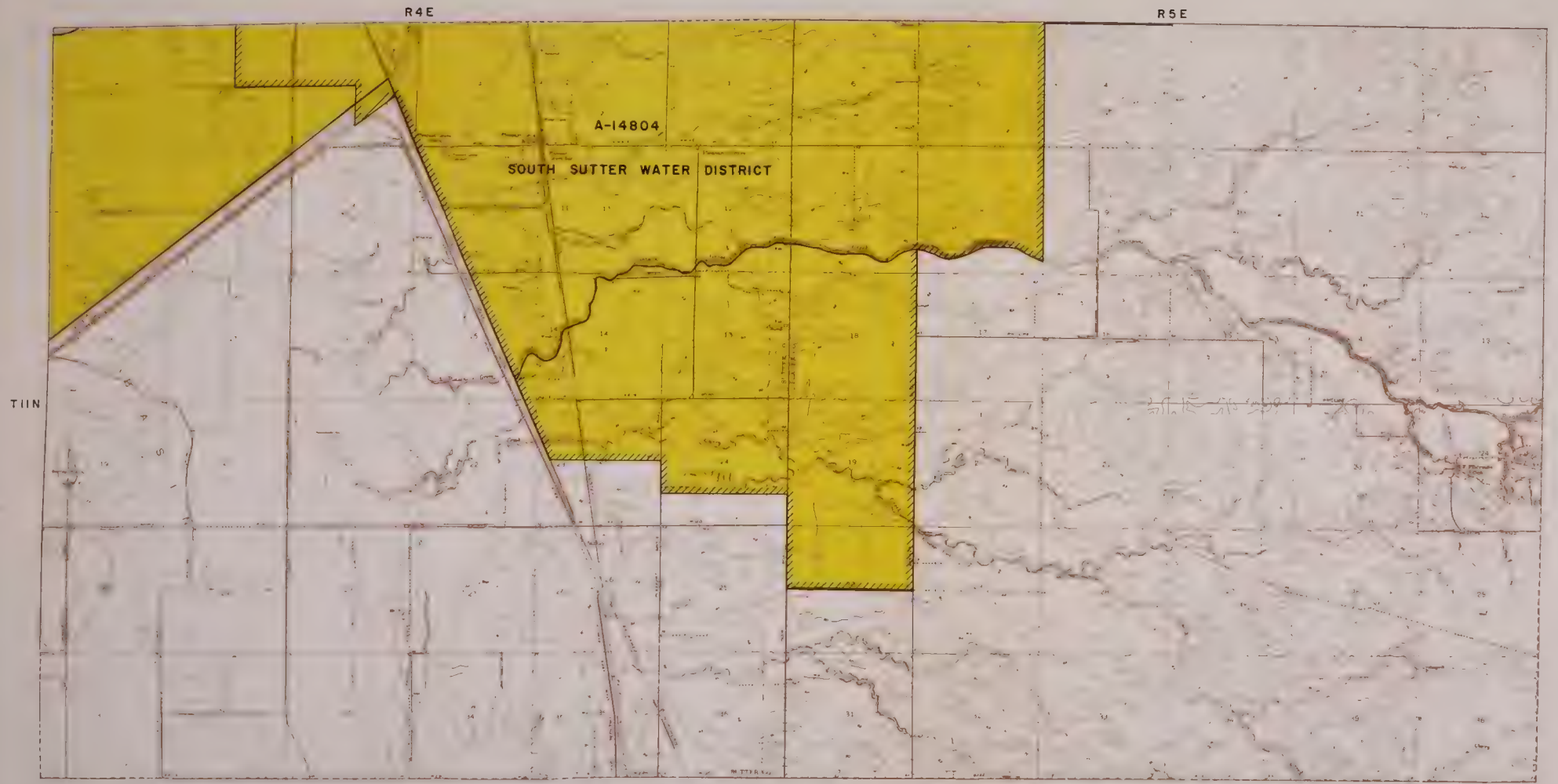

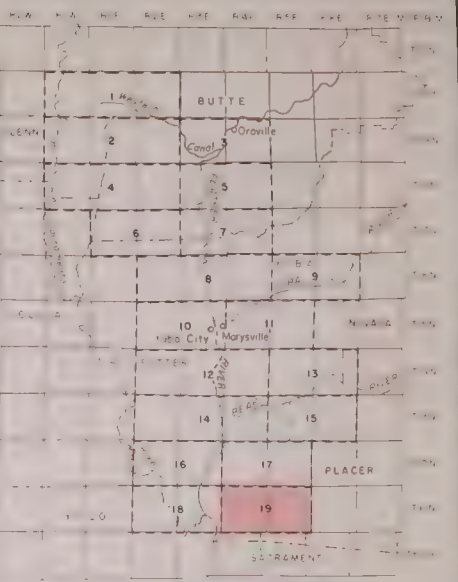

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